## Computer Science (083)

Session -

## PRACTICAL FILE



SUBMITTED TO :-

1. To capitalise 1st letter of each word

## 2. Palindrome by Recursion

3. Count total uppercase letters in a file
4. Count total lowercase letters in a file
5. Count total no. of alphabets in a file
6. To count and display the no. of spaces in file
7. To count and display the number of lines
starting with alphabet ' $A$ '
8. To count of the word "and" in the file
9. To write characters into a file , until '\#' character is entered
10. To count the words having first character capital

## 11. To count and display the number of lines

not starting with alphabet ' $A$ '
12. To merge alternative lines of two file
13. To print those words to file1 which don't start with "A,E,I,O,U"
14. To print those words of file1 which don't
start with "a,e,i,o,u"
15. To write a file which have all lowercase
letters, except the 1st word
16. To find word length of file
17. To count "the" word in file
18. Function to convert octal no. to other base
19. To generate 1st 4 terms of an AP
20. Program for Binary Search
21. Factorial by Recursion
22. Fabonicci by Recursion
23. Program for bubble sorting
24. Program for insertion sorting
25. Program for guess for happy number
26. Program for present age calculation
27. Program for Armstrong No.
28. Program for Linear search
29. Prime No. by Recursion
30. Program for Happy no. by recursion
31. Program for stack implementation
32. Program for Queue implementation
33. Matrix / 2D list program
34. Program of circular queue implementation
35. Check prsence of value in Dictionary
36. Entry of values in Dictonary

## 1.TO CAPITALISE 1 LETTER OF EACH WORD

## Code:

```
# 1. Program to capitalise 1st letter of each word of a string:
str=input("Enter the string :")
|=len(str)
a=0
end=1
str2=" "
while a<t:
    if a==0:
        str2+=str[0].upper()
        a+=1
    elif str[a]==" " and str[a+1]!=" ";
        str2+=str[a]
        str2+=str[a+1].upper()
        a+=2
    else:
        str2+=str[a]
        a+=1
print("Original string is :", str)
print("Capitalised string is :",str2)
```


## OUTPUT:

```
[4) Pytran 3.7A Stel
File Foit Shell Drhuy Optioni Winciew Help
Python 3.7.4 (tags/v3.7.4;e09359112e, Jul 8 2019, 19:29:22) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
=============== RESTART: C\\Users\asus\Desktop\Practical file.py ===============
Enter the string :welcome to python programming
Original string is : welcome to python programming
Capitalised string is : Welcome To Python Programming
>>>|
```


## 2.PALINDROME BY RECURSION

## Code:

```
def palin(str,s,e):
    if s==e:
        return True
    elif s!=e:
        return False
    else:
        return palin(str,s+1,e-1)
    return True
str=input("Enter the string to be checked :")
s=str[0]
e=str[-1]
a=palin(str,s,e)
l=len(str)
for i in range(0,I):
    l=1
    If str[i]==str[]:
        print(str, "is palindrome")
    else:
        print(str, "is not Palindrome")
```


## OUTPUT:

```
I) Fython 3,7,45hell
His Estt Shel Debug Optens Window Helo
Python 3.7.4 (tags/v3.7.4:e09359112e, Jul 8 2019, 19:29:22) [MSC v.1916 32 bit (l)
Type "help", "copyright", "credits" or "license()" for more information.
>>>
=============== RESTART: C:\Users\asus\Desktop\Practical file,py =============
Enter the string to be checked :madam
madam is palindrome
madam is palindrome
madam is palindrome
madam is palindrome
madam is palindrome
>>>1
```


## 3.COUNT TOTAL UPPERCAE LETTERS IN A FILE

## Code:

```
# 3. Program to count the total no. of uppercase letters
def upper():
    file=open("STORY.bt","W")
    file.write("Hello Everyone")
    file.write("ln")
    file.write("Welcome in Python Programming")
    file.write("\n")
    file.write("We are Making This Program for Counting Total Uppercase Letters")
    file=open("STORY,bxt","")
    data=file.read()
    count=0
    for i in data:
        if i.isupper():
            count+=1
        else:
            pass
    print("Total uppercase letters are :",count)
    file.close()
upper()
```


## OUTPUT:

| 7) smonv tanture <br> File Fat Funmat Hive Heip | (2) Python 3.7.4 Shell <br> File Edt Shel Debug Cptions Window Help |
| :---: | :---: |
| Hello Everyone <br> Welcome in Python Programming <br> We are Making This Program for Counting Total Uppercase Letters | Python 3.7 .4 (tags/v3.7.4:e09359112e, Jul 8 2019, 19:29:22) [ MSC v. 191632 bit (Intel)] on win32 <br> Type "help", "copyright", "credits" or "license()" for more informati on. <br> >>> <br> $==============$ RESTART: C:IUserslasus\Desktop\Practical fil e. $\mathrm{py}==============$ <br> Total uppercase letters are : 13 <br> >>> |

## 4.COUNT TOTAL LOWERCASE LETTERS IN A FILE

## Code:

```
# 4. Program to count the total no. of lowercase letters
def lower():
    file=open("STORY.txt","w")
    file.write("Hello Everyone")
    file.write("ln")
    file.write("Welcome in Python Programming")
    file.write("\n")
    file.write("We are Making This Program for Counting Total Lowercase Letters")
    file=open("STORY.bxt",r")
    data=file.read()
    count=0
    for i in data:
        if i.islower():
            count+=1
        else:
            pass
    print('Total lowercase letters are :",count)
    file.close()
lower()
```


## OUTPUT:

| (a) rover hatopues <br> Fie Fait Fummat Vien Help | If Pation 37 a Shell <br> Fie Ldit Shall Debog Options window Hele |
| :---: | :---: |
| Hello Everyone <br> Welcome in Python Programming <br> We are Making This Program for Counting Total Lowercase Letters | Python 3.7.4 (tags/v3.7.4:e09359112e, Jul 8 2019, 19:29: 22) [MSC v. 191632 bit (Intel)] on win32 <br> Type "help", "copyright", "credits" or "license()" for more inf ormation. <br> >>> <br> ============== RESTART: C:\Userslasus\Desktop\Prac <br> tical file.py $==============$ <br> Total lowercase letters are : 80 <br> $\ggg \mid$ |

# 5.COUNT TOTAL NO. OF ALPHABETS IN A FILE 

## Code:

\# 5. Program to count total no. of alphabets in a file def alpha():
file=open("XY. txt","w")
file.write("Hello Everyone")
file.write("ln")
file.write("Welcome in Python Programming")
file.write("In")
file.write("We are Making This Program for Counting Total no. of Alphabets")
file=open("XY.txt","r")
data=file.read()
count=0
for i in data:
if i.isalpha(): count+=1
else:
pass
print("Total no. of alphabets are :",count)
file.close()
alpha()

## OUTPUT:

| Z]0. Matsolad <br> File Folt Eamst Viem Hel! | 13 Pythan 3.7.4 Shell File Edit Shell Deburg Options Window Help |
| :---: | :---: |
| Hello Everyone <br> Welcome in Python Programming <br> We are Making This Program for Counting Total no. of Alphabets | Python 3.7 .4 (tags/v3.7.4:e09359112e, Jul 8 2019, 19:29:22) [M SC v. 191632 bit (Intel)] on win32 <br> Type "help". "copyright", "credits" or Ticense()" for more informatio n. <br> >>> <br> ===============RESTART: C:IUserslasus\Desktop\Practical fil e.py $==============$ <br> Total no. of alphabets are : 90 >>> |

## 6.TO COUNT AND DISPLAY THE TOTAL NO. OF SPACES IN A FILE

## Code:

```
# 6.Program to read the file and count, display the no. of spaces in file
def count():
    file=open("JOKE.txt","w")
    file.write("Hello Everyone")
    file.write("\\")
    file.write("Welcome in Python Programming")
    file=open("JOKE.txt","r")
    x=file.read()
    print("The file contains the following content :")
    print(x)
    count=0
    for i in x:
        if i== " " or i.isspace():
        count+=1
        else:
            pass
    print("The no. of blank spaces in the content of file are :", count)
    file.close()
count()
```


## OUTPUT:

```
A Python 3.7,a Shell
File tat shell Debug Options Window Help
Python 3.7.4 (tags/v3.7.4:e09359112e, Jul 8 2019, 19:29:22) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
================= RESTART: C:\Users\asus\Desktop\Practical file.py =================
The file contains the following content :
Hello Everyone
Welcome in Python Programming
The no. of blank spaces in the content of file are : 5
>>>
```

                    ㄴ \(\times\)
    
# 7.TO COUNT AND DISPLAY THE NO. OF LINES STARTING WITH ‘A’ 

## Code:

```
# 7. Program to count and display the number of lines starting with alphabet 'A'
def count_Alines():
    file=open("MYFILE txt","w")
    file.write("A function made by the user is used for efficient purposes")
    file.write("\n")
    file.write("It helps the user in calculations.")
    file.write("|")
    file.write("Any typical calculation can be made easy via a function ")
    file.write("\n")
    file.write("Hope this helps")
    file=open("MYFILE.txt","r")
    w=file.readline()
    x=file.readline()
    y=file.readline()
    z=file.readline()
    count=0
    for i in w,x,y,z:
        if i[O]=='A':
            count+=1
            print("Line starting with alphabet (A) is :",i, end=" ")
        else:
            pass
    print("The number of lines starting with alphabet 'A' are :", count, )
    file.close()
count_Alines()
```


## OUTPUT:

| a <br> Eike Fait Fuirat View Helo | Lh Dythee 3.7 .4 Shid <br> File Fdi Shet Debug Gptiers Wrudev: Help |
| :---: | :---: |
| A function made by the user is used for efficient purposes It helps the user in calculations. <br> Any typical calculation can be made easy via a function Hope this helps | Python 3.7.4 (tags/v3.7.4:e09359112e, Jul 8 2019, 19:29:22) [MSC v. 191632 bit (Intel)] on win32 <br> Type "help", "copyright", "credits" or "license()" for more information. >>> <br> $==\pi===========$ RESTART: C:Users\asus\Desktop\Practical file.py =============== <br> Line starting with alphabet $(A)$ is: A function made by the user is used for efficient purposes <br> Line starting with alphabet (A) is : Any typical calculation can be made easy via a function <br> The number of lines starting with alphabet ' $A$ ' are : 2 >>> |

## 8.TO COUNT THE WORD ‘AND’ IN A FILE

## Code:

```
def count_and():
    file=open("myfile.txt","w")
    file.write("Hello and Good morning everyone")
    file.write("\n")
    file.write("Let's start the work with a fresh and positive mind")
    file.write("\n")
    file.write("Hope this function helps u in easy and fast and effective calculations")
    file.write("ln")
    file=open("myfile.txt",r")
    y=file.read()
    count=0
    for i in range(0,len(y)):
        if }y[i]=="a"\mathrm{ and }y[i+1]=="n" and y[i+2]=="d"
        count=count + 1
    print('The no. of (and) in the file are :",count)
    file.close()
```


## OUTPUT:

# 9.TO WRITE CHARACTERS INTO A FILE UNTIL ‘\#’ IS <br> ENTERED 

## Code:



```
File Edit Fomat Ran Options Window Help
# 9. Program to write the characters entered through the keyboard into the file, until a "# character is entered
file=open("myfile.txt","a")
x=input("Enter a character :")
file.write(x)
while x!="#":
    x=input("Enter a character :")
    file.write(x)
if }\textrm{x}===#\mathrm{ #
    print("The characters will terminete now')
file.close()
```


## OUTPUT:

| BinfliE - Notepad <br> File Edit Fumsat View Help | (3) TyMum in tashall <br> Fibl Est Shel Depout Gphems Wintow Heip |
| :---: | :---: |
| Hello and Good morning everyone <br> Let's start the work with a fresh and positive mind Hope this function helps $u$ in easy and fast and effective calculation: | Python 3.7 .4 (tags/v3.7.4:e09359112e, Jul $82019,19: 29: 22$ ) [MSC v. 19 1632 bit (Intel)] on win32 <br> Type "help", "copyright", "credits" or "license()" for more information. >>> <br> $==============$ RESTART: C:UUserslasus\Desktop\Practical file.py $===$ =========== <br> The no. of (and) in the file are: 4 >>> |

# 10.TO COUNT THE WORDS HAVING FIRST CHARACTER CAPITAL 

## Code:

```
# 10. Program to count the number of words having first character capital
def chr_cap():
    file=open("coordinate.txt","r")
    y=file.read()
    x=y.split()
    count=0
    for i in range(0,len(x)):
        if }x[i][0].isupper()
                count+=1
    print("The number of words having first character capital are :", count)
    file.close()
chr_cap()
```


## OUTPUT:

|  <br> Fiie fide Fumat Vime Heip | 口 | (4) Python 3.7.45hell <br> File Eat Shell Debuy Optians Window Help |
| :---: | :---: | :---: |
| Python Programming is very easy to learn. <br> Their are many uses of it in IT. Administrative Fields. It's coding is very easy to Understand. |  | Python 3.7 .4 (tags/v3.7.4:e09359112e, Jul 8 2019, 19:29:22) [MSC v. 191 632 bit (Intel)] on win32 <br> Type "help", "copyright", "credits" or "license()" for more information. >>> <br> $==============$ RESTART: C:IUserslasus\Desktop\Practical file.py $====$ ==ะ======= <br> The number of words having first character capital are : 8 $\ggg 1$ |

# 11.TO COUNT AND DISPLAY NO. OF LINES NOT STARTING WITH 'A’ 

## Code:



```
Fic Eist Femat Bin Opooss mundaw Heds
# 11. Program to count and display the number of lines not starting with alphabet 'A'
def count_not_Alines():
    file=open("PARA.bxt","w")
    file.write("A function made by the user is used for efficient purposes")
    file.write("\")
    file.write("It helps the user in calculations.")
    file.write("\\")
    file.write("Any typical can be made easy via a function ")
    file.write("\")
    file.write("Thankyou all')
    file.write("\n")
    file.write("It is very easy")
    file=open("PARA,txt","r")
    w=file,readline()
    x=file, readline()
    y=file,readline()
    z=file.readline()
    count=0
    fori in w,x,y,z
        if i[0]!='A':
            count+=1
            print("Line not starting with alphbet (A) is :",i, end=" ')
        else:
            pass
    print("\n")
    print("The number of lines not starting with alphabet 'A' are :", count)
    file.close()
maunt not Alinee?
```

```
        for \(i\) in \(w, x, y, z:\)
        if i[0]!='A':
            count+=1
            print("Line not starting with alphbet \((A)\) is :", \(i\), end=" ")
        else:
            pass
    print("\n")
    print("The number of lines not starting with alphabet 'A' are :", count)
    file.close()
count_not_Alines()
```


## OUTPUT:



## 12.TO MERGE ALTERNATIVE LINES OF TWO FILES

## Code:



```
Fir Eut Fumat Pion Oproen 'Nirdsu ralp
# 12. Program to merge alternative lines of two file in new file
def.merge():
    file1=open("myfile.txt",'r")
    file2=open("PARA.txt",r")
    file3=open('new file.txt","w")
    x=file1,readlines()
    print(x[0])
    print('Total lines in file1 are :",len(x))
    y=file2.readlines()
    print('Total lines in file2 are :",len(y))
    if len(x)<len(y):
        a=len(y)-\operatorname{len}(x)
        for i in range(0,len(x)):
            file3.write(x[]])
            file3.write(y[i])
        for j in range(0,a):
            file3.write(y[len(x)+i])
    else:
        if len(x)>len(y):
            a=len(x)-\operatorname{len}(y)
            for i in range(0,len(y)):
            file3.write(x[i])
            file3.write(y[i])
            forj in range(0,a):
            file3.write(x[len(x)+j])
    file1.close()
    file2.close()
    file3
```


## OUTPUT:



## 13.TO PRINT THOSE WORDS TO FILE1 WHICH DON’T START WITH ‘a,e,i,o,u’ <br> Code:

```
# 13. Program to print those words to file1 which dion't start with "A.E,I,O,U"
def temp():
    file=open(text.txt","r)
    file 1=open("text1 .bxt",w')
    a=file.read()
    x=a.split()
    for i in range(0,len(x)):
```



```
        continue
        else:
        file1.write(x[])
        file 1.write("\n")
    file close()
    file 1.close()
temp()
```


## OUTPUT:

| A met-Manead <br> tile Lat fensat Vien Help <br> Happy <br> Dussehra <br> Everyone <br> Hope <br> fine <br> Let's <br> celebrate <br> with <br> All <br> Our <br> Potential | - $\square \times$ | I tect - Notepend <br> Fie Edit Fomat Vien Heip <br> Happy Dussehra Everyone <br> Hope all are fine <br> Let's celebrate it with All Our Potential |
| :---: | :---: | :---: |

## 14. TO PRINT THOSE WORDS TO FILE1 WHICH DON’T START WITH ‘A,E,I,O,U’

## Code:

```
# 14. Program to print those words of file1 which don't start with "a,e,i,o,u"
def temp1():
    file=open("text.txt","r")
    file1=open("text2.txt","w")
    a=file.read()
    x=a.split()
    for i in range(0,len(x));
        If }x[i][0],\mathrm{ islower and }x[i][0]== "a" or x[i][0]== "e" or x[i][0]== "j" or x[i][0]== "0" or x[i][0]== "u"
        continue
        else:
        file1.write(x[i])
        file1.write("\n")
    file.close()
    file1.close()
temp1()
```


## OUTPUT:

| fine <br> Let's <br> celebrate <br> with <br> All <br> Our <br> Potential | $-\quad \times$ | T Taxt - timapnd <br> File Edit Format Vizin Help <br> Happy Dussehra Everyone <br> Hope all are fine <br> Let's celebrate it with All Our Potential |
| :---: | :---: | :---: |

# 15.TO WRITTE A FILE WHICH HAS ALL LOWERCASE LETTERS,EXCEPT THE 1 WORD 

## Code:

```
# 15. Program to write a file which have all lowercase letters, except the ist word and the word following full stop of file
def para()
    file=open("Report.txt","W")
    file.write("Hello Everyone, this is to inform that the News regarding revised Syllabus has come. Any student can conf!
    file.close()
    file 1=open(FFriend.txt,"W")
    file=open("Report.txt","'")
    x=file.read()
    I=[]
    for: I in x:
        l.append(i)
    for jin range(0,(len(l)-1)):
            |f 10j=="":
            |j+1]=|[j+1].upper()
            if 1(0). islower():
            iji=[ij).upper()
    b=str(l)
    file1.write(b)
    file1.close()
    file.close()
para()
```


## OUTPUT:



# 16.TO FIND WORD LENGTH OF FILE <br> Code 

```
() "Practical file.py - Ci\Users\asus\Desktop\Practical file.py (3.7.4)*
    File Edit Format Run Options Window Help
# 16. Program to find word length of file
def word_length():
        file=open("Report.txt","r")
        x=file.read()
        a=x.split()
        print("The word length of file is:",len(a))
word_length()
```


## OUTPUT:

| 3lllivot-Nidepait <br> He tait Fumat yien Hely | - Dythor 3.7 .4 Shell <br> File Fit Shel Debuen Gptions Winsow Help |
| :---: | :---: |
| Hello Everyone. this is to inform that the News regarding revised Syllabus has come. <br> Any student can confer the news at site. | ```Python 3.7.4 (tags/v3.7.4:e09359112e, Jul 8 2019, 19:29:22) [MSC v.1916 32 b (Intel)] on win32 Type "help", "copyright", "credits" or "license()" for more information. >>> ============== RESTART: C:\Userslasus\Desktop\Practical file.py m======== ==== The word length of file is:22 >>>``` |

## 17.TO COUNT ‘THE’ WORD IN A FILE

## Code:

```
# 17. Program to count "the" word as independent word
def count_the():
    file=open("Story.txt","w")
    file.write("the programs should run properly")
    file.write("\n")
    file.write("Let's start the work with a fresh and positive mind")
    file.write("\n")
    file.write("Hope the function helps u in easy, fast and effective calculations")
    file=open("Story.txt","r")
    y=file.read()
    count=0
    for i in range(0,len(y)):
        if }y[i]=="t" and y[i+1]=="h" and y[i+2]=="e"
        count=count + 1
    print("The no. of (the) in the file are :", count)
    file.close()
count_the()
```


## OUTPUT:

| Tin roitr - Notepat <br> He Gifit Hemmat View Hely | [A) Python 3.74 Shel <br> File Edr shei Debuy Options Window Help |
| :---: | :---: |
| the programs should run properly <br> Let's start the work with a fresh and positive mind Hope the function helps $u$ in easy, fast and effective calculations | Python 3.7 .4 (tags/v3.7.4:e09359112e, Jul 8 2019, 19:29:22) [MSC v. 191 632 bit (Intel)] on win32 <br> Type "help", "copyright", "credits" or "license()" for more information. >>> <br> $=============$ RESTART: C:UUserslasus\Desktop\Practical file.py $====$ <br>  <br> The no. of (the) in the file are: 3 $\ggg 1$ |

# 18.FUNCTION TO CONVERT OCTAL NO. INTO OTHER BASES 

## Code:

```
[*) "Practical file.py - C:\Users\asus\Desktop\Practical file.py (3.7.4)*
    File Edit Format Run Options Window Help
# 18. Program to create a function to convert an octal no. to other no. bases :
def oct_to_others(n):
    print("Octal no. given is :",n)
    numstr=str(n)
    dec_num=int(numstr,8)
    print("No. in decimal is :",dec_num)
    print("No. in binary is :",bin(dec_num))
    print("No. in hexadecimal is :",hex(dec_num))
num=int(input("Enter an octal no. :"))
oct_to_others(num
```


## OUTPUT:

```
LǪ p,tron 3./. Skel
- ロ }
Fir Edit Stull fitung Opriam, Windram Hew
Python 3.7.4 (tags/v3.7.4:e09359112e. Jul 8 2019, 19:29:22) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
=============== RESTART: C\\Users\asus\Desktop\Practical file.py ================
Enter an octal no. :67
Octal no. given is : 67
No. in decimal is : 55
No. in binary is: Ob110111
No. in hexadecimal is: 0\times37
>>>1
```


# 19.TWO GENERATE $1^{\text {ST }} 4$ TERMS OF AP 

## Code:

```
$ *Practical file.py - Ci\Users\asus\Desktop\Practical file.py (3.7.4)*
    File Edit Format Run Options Window Help
# 19. Program to generate 1st 4 terms of an AP :
def AP(ini,step):
    return ini, ini+step, ini+(2*step), ini+(3*step)
ini=int(input("Enter the initial value of AP series :"))
st=int(input("Enter the step value of AP series :"))
print("AP series with inital value ",ini, "and step value ",st, "goes as :")
t1,t2,t3,t4=AP(ini,st)
print("The AP series upto 4 terms is :" ,t1, t2 , t3, t4)
```


## OUTPUT:

[^0]
# 20.PROGRAM FOR BINARY SEARCH 

## Code:

```
A Practicalfiepy - CuldersiasustDentop\, Pratical Flepy (3,7,4)
Fife tdit Format. Kun Optons Window Help
# 20. Program for Binary search :
def Bin_search(arr, key):
    low=0
    high=len(arr)-1
    while low<=high:
        mid=int((low+high)/2)
        if key==arr[mid]:
            return mid
        elif key<arr[mid]:
            high=mid-1
        else:
            low=mid+1
    else:
        return -999
arr=[2,4,12,25,38,44,55,62]
print(arr)
item=int(input("Enter the search element :"))
result=Bin_search(arr,item)
if result>=0:
    print(item, "found at ",result,"th position , i.e. at index", result)
else:
    print("Sorry", item ,"not found in array")
```


## OUTPUT:

```
(4) Python 3.7.4 Shell
File tdit Shell Debug Options Window Help
Python 3.7.4 (tags/v3.7.4:e09359112e, Jul 8 2019, 19:29:22) [MSC v. 191632 bit (Intel)] on win32 Type "help", "copyright", "credits" or "license()" for more information. >>>
============== RESTART; C:IUserslasus\Desktop\Practical file.py ==============
[2, 4, 12, 25, 38, 44, 55, 62]
Enter the search element ; 36
Sorry 36 not found in array
>>>
============= RESTART; C:Userslasus\Desktop\Practical file.py \(=============\)
[2, 4, 12, 25, 38, 44, 55, 62]
Enter the search element: 38
38 found at 4 th position, i.e. at index 4
>> \(\mid\)
```


[^0]:    3 Pythen 3.7.4 Shell
    File Eelt Shel Debug Options Window Help
    Python 3.7 .4 (tags/v3.7.4:e09359112e, Jul $82019,19: 29: 22$ ) [MSC v. 191632 bit (Intel)] on win32 Type "help", "copyright", "credits" or "license()" for more information. >>>
    $==============$ RESTART: C:UUsershasus\Desktop\Practical file.py $===============$
    Enter the initial value of AP series : 4
    Enter the step value of AP series $: 7$
    AP series with inital value 4 and step value 7 goes as:
    The AP series upto 4 terms is :
    4
    11
    18
    25
    $\ggg 1$

