EXPT .NO.;3 cycle :1

DATE:04-01-2023 VOTING ELIGIBILITY

AIM:

To perform voting eligibility problem in python

INPUT:

age = int (input("Enter your age :"))

if (age>=18):

print("you are eligible for voting")

else :

print ("not eligible for voting")

OUTPUT:

Enter your age :34

you are eligible for voting

RESULT:

The expected out put is obtained

2. Read a character. Check whether it is upper or lower

AIM:

To perform Read a character. Check whether it is upper or lower in python

OUTPUT:

ch=input("Enter character :")

if(ch.isupper()):

print("your character is upper case")

elif(ch.islower()):

print("your character is lower case")

elif(int(ch)>=0 and int(ch)<=9):

print("your character is number")

else:

print("enter valid character")

OUTER :

Enter character :u

your character is lower case

Enter character :G

your character is upper case

RESULT:

The expected out put is obtained

3. Calculate the Roots of Quadratic equation

AIM:

To Calculate the Roots of Quadratic equation in python

INPUT:

a=int(input("enter a:"))

b=int(input("enter b:"))

c=int(input("enter c:"))

d=((b\*\*2)-(4\*a\*c))

sol1 = ((-b+(d\*\*0.5))/2\*a)

sol2 = ((-b-(d\*\*0.5))/2\*a)

print("the solution are ",sol1,sol2)

OUTPUT:

enter a:1

enter b:-1

enter c:-2

the solution are 2.0 -1.0

RESULT:

The expected out put is obtained

CYCLE 2

Print the days of the week with (1- 7)

AIM;

To perform the days of the week with (1- 7) based on

         1-SUN, 2-MON......7- SAT

INPUT:

n=int(input("enter a number between 1to7:"))

if(n==1):

print("sunday")

elif(n==2):

print("monday")

elif(n==3):

print("tuesday")

elif(n==4):

print("wednesday")

elif(n==5):

print("thursday")

elif(n==6):

print("friday")

elif(n==7):

print("saturday")

else:

print('enter valid number')

OUTPUT:

enter a number between 1to7:5

Thursday

RESULT:

The expected out put is obtained

2.UPPER AND LOWER

AIM :

To perform Read a Character. if it is Lower , Print \*\* else print U in python

INPUT:

ch =input("enter a character:")

if(ch>='A' and ch<='Z'):

print("U")

elif(ch>='a' and ch<='z'):

print("\*\*")

elif(int(ch)>=0 and int(ch)<=9):

print ("enter character")

else:

print("enter valid character")

OUTPUT:

enter a character:H

U

enter a character:a

\*\*

RESULT:

The expected out put is obtained

3. Smallest of three numbers.

AIM:

To perform Smallest of three numbers. In python

INP[UT:

a=int(input("enter number a:"))

b=int(input("enter number b:"))

c=int(input("enter number c:"))

if(a>b and a>c):

print("number",a,"is bigger")

elif(b>a and b>c):

print("number",a,"is bigger")

elif(c>b and c>a):

print("number",a,"is bigger")

OUTPUT:

enter number a:8

enter number b:9

enter number c:45

number 45 is bigger

RESULT:

The expected out put is obtained