**EXPT.NO:3 DECISSION MAKING STATEMENTS**

**DATE:04-01-23**

* **BIGGEST OF THREE NUMBERS**

num1=int(input("Enter the num 1:"))

num2=int(input("Enter the num 2:"))

num3=int(input("Enter the num 3:"))

if(num1>num2)and(num1>num3):

largest\_num=num1

elif(num2>num3):

largest\_num=num2

else:

largest\_num=num3

print("The largest number = ",largest\_num)

OUTPUT:

Enter the num 1:5

Enter the num 2:9

Enter the num 3:4

The largest number = 9

* **ODD/EVEN**

num=int(input("Enter the number:"))

if(num%2==0):

print("num is even")

else:

print("num is odd")

OUTPUT:

Enter the number:675

num is odd

Enter the number:562

Num is evev

* **STUDENT DRADE ANALYSIS**

mark1=int(input("Enter the mark1:"))

mark2=int(input("Enter the mark2:"))

mark3=int(input("Enter the mark3:"))

mark4=int(input("Enter the mark4:"))

mark5=int(input("Enter the mark5:"))

average=(mark1+mark2+mark3+mark4+mark5)/5

if(average>=90):

print("o grade")

elif(average>=80 and average<90):

print("A+ grade")

elif(average>=70 and average<80):

print("A grade")

elif(average>=60 and average<70):

print("B+ grade")

elif(average>=50 and average<60):

print("B grade")

else:

print("U grade")

**OUTPUT:**

Enter the mark1:38

Enter the mark2:92

Enter the mark3:94

Enter the mark4:80

Enter the mark5:92

A grade

* **VOTING ELIGIBLITY**

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

if(age>=18):

print("Eligible for voting")

else:

print("Not eligible for voting")

**OUTPUT:**

Enter your age :46

Eligible for voting

Enter your age :17

Not eligible for voting

* **READ A CHARACTER. CHECK WHETHER IT IS UPPER OR LOWER**

ch=input("Enter the character:")

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

print("you entered upper case alphabat")

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

print("you entered lower case alphabat")

elif(ch==" "):

print("you entered a space")

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

print("you entered a number ")

else:

print("entered valid input:",ch)

**OUTPUT:**

Enter the character:d

you entered lower case alphabat

Enter the character:5

you entered a number

Enter the character:5

you entered a number

Enter the character:

you entered a space

* **CALCULATE THE ROOTS OF QUADRATIC EQUATION:**

a=int(input("Enter a value:"))

b=int(input("Enter b value:"))

c=int(input("Enter c value:"))

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

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

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

print("The root of this quadratic equation:",sol1,sol2)

**OUTPUT:**

Enter a value:1

Enter b value:-1

Enter c value:-2

The root of this quadratic equation: 2.0 -1.0

**;**