1.BIGGEST OF THREE NUMBERS

PROGRAM:

num1=int(input("Enter first number:"))

num2=int(input("Enter second number:"))

num3=int(input("Enter third number:"))

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

print(num1,"is biggest")

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

print(num2,"is biggest")

else:

print(num3,"is biggest")

OUTPUT:

Enter first number:23

Enter second number:34

Enter third number:21

34 is biggest

2.ODD OR EVEN

PROGRAM:

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

if(num%2==0):

print(num,"is even")

else:

print(num,"is odd")

OUTPUT:

Enter number:356546

356546 is even

3.STUDENT GRADE ANALYSIS

PROGRAM:

m=int(input("Enter student mark:"))

if(m>=90):

print("O")

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

print("A+")

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

print("A")

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

print("B+")

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

print("B")

elif(m<50):

print("U")

else:

print("invalid mark")

OUTPUT:

Enter student mark:87

A+

4.CALCULATE THE ROOTS OF QUADRATIC EQUATION

PROGRAM:

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

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

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

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

print("The value of discriminant is",D)

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

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

print("The roots of this quadratic equation are",sol1,"and",sol2)

OUTPUT:

Enter a:1

Enter b:2

Enter c:2

The value of discriminant is -4

The roots of this quadratic equation are (-2+1j) and (2-1j)

5.VOTING ELIGIBLITY

PROGRAM:

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

if(age>=18):

print("Eligible for voting")

else:

print("Not eligible for voting")

OUTPUT:

Enter age:21

Eligible for voting

6.UPPER OR LOWER CASE

PROGRAM:

ch=input("Enter a character:")

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

print("You entered uppercase")

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

print("You entered lowercase")

else:

print("You entered invalid character")

OUTPUT:

Enter a character:S

You entered uppercase