Biggest of three numbers:

PROGRAM:

num1=float(input("enter 1st number"))

num2=float(input("enter 2nd number"))

num3=float(input("enter 3rd number"))

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

largest\_num=num1

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

largest\_num=num2

else:

largest\_num=num3

print("the largest number is:",largest\_num)

output:

enter 1st number3

enter 2nd number5

enter 3rd number6

the largest number is: 6.0

PROGRAM FOR ODD OR EVEN NUMBER:

Program:

num=int(input("enter the number"))

if(num%2==0):

print("even")

else:

print("odd")

output:

enter the number7

odd

STUDENT GRADE ANALYSIS:

PROGRAM:

m=int(input("enter the mark"))

if(m>90):

print("grade O")

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

print("grade A+")

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

print("grade A")

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

print("grade B+")

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

print("grade B")

else:

print("grade U")

OUTPUT:

enter the mark67

grade B+

Calculating the roots of quadratic equation:

Program:

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

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

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

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

print("the value of the discriminant is",d)

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

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

print("the roots of this quadratic equation is ",sol1,"and",sol2)

Output:

enter a value5

enter b value5

enter c value6

the value of the discriminant is -95

the roots of this quadratic equation is (-4.999999999999998+24.366985862022407j) and (5.000000000000002+24.366985862022407j)

Voting eligibility

Program:

age=int(input("enter the age"))

if(age>=18):

print("eligible for voting")

else:

print("not eligible for voting")

output:

enter the age76

eligible for voting

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

PROGRAM:

ch=input("enter a character")

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

ch='U'

print(ch)

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

ch='L'

print(ch)

else:

print("invalid")

OUTPUT:

enter a characterG

U