**PROGRAM 1 :**

**BIGGEST OF THREE NUMBERS**

**PROGRAM ;**

a=float(input("enter the the first number :"))

b=float(input("enter the second number :"))

c=float(input("enter the thrid number :"))

if(a>b and a>c ) :

print(a,"is the greatest number")

elif(b>c and b>a ) :

print(b,"is the greatest number ")

else :

print(c,"is the greatest number")

**OUTPUT :**

enter the number :9

the given number 9 is odd number

**PROGRAM 2 :**

**ODD (OR) EVEN**

**PROGRAM :**

n=int(input("enter the number :"))

if((n%2)==0) :

print("the given number",n,"is even number")

else :

print("the given number",n,"is odd number")

**OUTPUT :**

enter the number :9

the given number 9 is odd number

**PROGRAM 3 ;**

**STUDENT GRADE ANALYSIS**

**PROGRAM :**

m1=float(input("enter the mark of first subject :"))

m2=float(input("enter the mark of second subject :"))

m3=float(input("enter the mark of thrid subject :"))

m4=float(input("enter the mark of fourth subject :"))

m5=float(input("enter the mark of fifth subject :"))

total=m1+m2+m3+m4+m5

print("the total mark is ",total)

avg=total/5

if(avg>=90) :

print("your grade is O")

elif(90>avg>=80) :

print("your grade is A+")

elif(80>avg>=70) :

print("your grade is A")

elif(70>avg>=60) :

print("your grade is B+")

elif(60>avg>=50) :

print("your grade is B")

else :

print("your grade is U")

**OUTPUT :**

enter the mark of first subject :96

enter the mark of second subject :74

enter the mark of thrid subject :92

enter the mark of fourth subject :77

enter the mark of fifth subject :97

the total mark is 436.0

your grade is A+

**PROGRAM 4 :**

**VOTING ELIGIBILITY**

**PROGRAM :**

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

if(age>=18) :

print("you are eligible for voting")

else :

print("you are not eligible for voting ")

**OUTPUT :**

enter your age :25

you are eligible for voting

**PROGRAM 5 :**

**ROOTS OFQUADRATIC EQUATION**

**PROGRAM :**

eqn=input("enter the equation :")

print("the equation is :",eqn)

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

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

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

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

x1=((-b)-(d)\*\*(1/2))/2\*a

x2=((-b)+(d)\*\*(1/2))/2\*a

print("the roots of the given equation are ",x1,"and",x2)

**OUTPUT :**

enter the equation :x2+2x+1=0

the equation is : x2+2x+1=0

enter the a value :1

enter the b value :2

enter the c value :1

the roots of the given equation are -1.0 and -1.0

**PROGRAM 6 :**

**READ A CHARACTER. UPPER (OR) LOWER**

**PROGRAM :**

a=input("enter the character :")

if(a in ['A','B','C','D','E','F','G','H','I','J','K','L','M','N','O','P','Q','R','S','T','U','V','W','X','Y','Z']) :

print("the given character is uppercase")

elif(a in ['a','b','c','d','e','f','g','h','j','k','l','m','n','o','p','q','r','s','t','u','v','w','x','y','z']) :

print("the given character is lowercase ")

else :

print("invalid input")

**OUTPUT :**

enter the character :a

the given character is lowercase