PYTHON PROGRAM USING SIMLPLE STATEMENT AND EXPRESSION

**Ex.3a**  BIGGEST OF THREE NUMBERS

**PROGRAM:**

#Program for biggest of three numbers

n1=float(input("Enter the first number:"))

n2=float(input("Enter the second number:"))

n3=float(input("Enter the third number:"))

if((n1>n2)and(n1>n3)):

largest=n1

elif((n2>n1)and(n2>n3)):

largest=n2

else:

largest=n3

print("The largest number is",largest)

**OUTPUT:**

Enter the first number:86

Enter the second number:95

Enter the third number:46

The largest number is 95.0

>>>

**Ex no.3b**  ODD OR EVEN NUMBER

**PROGRAM:**

**#**Program to check the number is odd or even

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

if n%2==0:

print("Given number is Even")

else:

print("Given number is Odd")

**OUTPUT:**

Enter the number:46

Given number is Even

>>>

**Ex no.3c** STUDENT GRADE ANALYSIS

**PROGRAM:**

#Student grade analysis

m1=int(input("Enter mark m1:"))

m2=int(input("Enter mark m2:"))

m3=int(input("Enter mark m3:"))

m4=int(input("Enter mark m4:"))

m5=int(input("Enter nark m5:"))

tot=m1+m2+m3+m4+m5

print("The total is",tot)

avg=(tot)/5

print("The average is",avg)

if(avg>=90):

print("Grade:O")

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

print("Grade:A+")

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

print("Grade:A")

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

print("Grade:B+")

elif(avg>=50 and avg,60):

print("Grade:B”)

else:

print("Grade:U")

**OUTPUT:**

Enter mark m1:98

Enter mark m2:88

Enter mark m3:99

Enter mark m4:96

Enter nark m5:98

The total is 479

The average is 95.8

Grade:O

>>>

**Ex.no.3d**  VOTING ELIGIBILITY

**PROGRAM:**

#Voting eligibility

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

if(a>=18):

print("Eligible for voting")

else:

print("Not eligible for voting")

**OUTPUT:**

Enter the age:21

Eligible for voting

>>>

**Ex.no.3e**  CHARACTERS UPPER AND LOWER CASE

**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("Character is upper case")

elif(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("Character is lower case")

else:

print("Not found")

**OUTPUT:**

Enter the character:J

Character is upper case

**>>>**

**Ex.no.3f**  ROOTS OF QUADRATIC EQUATION

**PROGRAM:**

#Quadratic equation

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

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

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

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

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

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

print("The roots are",x,y)

**OUTPUT:**

Enter the value of a:1

Enter the value of b:2

Enter the value of c:1

The roots are -1.0 -1.0

>>>