**EXPT:3**

**QUESTIONS ON DECISION MAKING STATEMENTS**

**GROUP 4**

**1.BIGGEST OF THREE NUMBERS**

**CODE:**

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

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

c=int(input("enter the third number:"))

if(a>b and a>c):

print("first number is biggest")

elif(b>a and b>c):

print("second number is biggest")

else:

print("third number is biggest")

**OUTPUT**

enter the first number:1

enter the second number:2

enter the third number:3

third number is biggest

2.ODD OR EVEN NUMBER

CODE:

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

if(a%2==0):

print("the number is even number")

else:

print("the number is odd number")

**OUTPUT:**

enter the number3

the number is odd number

**3.GRADE ANALYSIS**

**CODE**:

m1=int(input("enter the value of m1"))

m2=int(input("enter the value of m2"))

m3=int(input("enter the value of m3"))

total=m1+m2+m3

avg=total/3

if(avg>90):

print("grade is o")

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

print("grade is a+")

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

print("grade is a")

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

print("grade is b+")

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

print("grade is b")

else:

print("grade is u")

**OUTPUT:**

enter the value of m1 90

enter the value of m292

enter the value of m394

grade is o

**GROUP5**

**1.VOTING ELIGIBILITY**

**CODE**:

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

if(a>=18):

print("eligible for voting")

else:

print("not eligible for voting")

**OUTPUT:**

enter the age 18

eligible for voting

**2.UPPER OR LOWER:**

**CODE:**

a=input("enter a character:")

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

print("you entered upper case character")

else:

print("you entered lower case character")

**OUTPUT:**

enter a character:e

you entered lower case character

**3.QUATRATIC EQUATION:**

**CODE:**

import cmath

a=float(input("enter a:"))

b=float(input("enter b:"))

c=float(input("enter c:"))

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

sol1=(-b-cmath.sqrt(d))/(2\*a)

sol2=(-b+cmath.sqrt(d))/(2\*a)

print("the solution are{0}and{1}".format(sol1,sol2))

**OUTPUT:**

enter a:5

enter b:8

enter c:7

the solution are(-0.8-0.8717797887081348j)and(-0.8+0.8717797887081348j)