***PYTHON EXPERIMENT NO 3***

**(GROUP : 4)**

**Program :1: finding largest of 3 numbers**

**Source code:**

#Biggest of 3 numbers

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

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

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

if a>b:

if a>c:

print("a is largest")

else:

print("c is largest")

else:

if b>c:

print("b is largest")

else:

print("c is largest")

**Output:**

Enter value of a: 10

Enter value of b: 101

Enter value of c: 1001

c is largest

**Program:2:Checking whether the number is odd or even**

**Source code:**

#Checking odd or even

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

if a%2==0:

print("a is EVEN")

else:

print("a is ODD")

**Output:**

Enter value of a: 1234567

a is ODD

**Program:3: Student Grade Analysis**

**Source code:**

#Student Grade Analysis

name = str(input("Enter Name:"))

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

marks= float(input("Enter Total Marks:"))

if marks>=90:

print(name,rollno,"is under O Grade")

elif marks>=80 and marks<70:

print(name,rollno,"is under A+ Grade")

elif marks>=80 and marks<70:

print(name,rollno,"is under A Grade")

elif marks>=80 and marks<70:

print(name,rollno,"is under B+ Grade")

elif marks>=80 and marks<70:

print(name,rollno,"is under B Grade")

elif marks<50:

print(name,rollno,"is under U Grade")

**Output:**

Enter Name: Keertana

Enter rollno: 23

Enter Total Marks: 98

Keertana 23 is under O Grade

**(GROUP : 5)**

**Program: 4: Calculating roots of Quadratic Equation**

**Source Code:**

#Quadratic roots calculation

a = int(input("Enter coefficient of x^2:"))

b = int(input("Enter coefficient of x:"))

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

root1 = (-b+((b\*\*2)-(4\*a\*c))\*\*(1/2))/(2\*a)

root2 = (-b-((b\*\*2)-(4\*a\*c))\*\*(1/2))/(2\*a)

print("The roots of Quadratic equation are:", root1, root2)

**Output:**

Enter coefficient of x^2: 1

Enter coefficient of x: 3

Enter constant: 2

The roots of Quadratic equation are: -1.0 -2.0

**Program: 5: Voting Eligibility**

**Source Code:**

#Voting Eligibility

name = str(input("Enter your Name:"))

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

if age>=18:

print(name,"is ELIGIBLE for VOTING")

else:

print(name,"is NOT ELIGIBLE for VOTING")

**Output:**

Enter your Name: Keertana

Enter your Age: 17

Keertana is NOT ELIGIBLE for VOTING

**Program: 6: Check whether upper or lower**

**Source Code:**

#Check whether Upper or Lower

chrc = str(input("Enter Alphabet: "))

if ord(chrc)>=65 and ord(chrc)<=90:

print("The Given Character is UPPER")

elif ord(chrc)>=97 and ord(chrc)<=122:

print("The Given Character is LOWER")

**Output:**

Enter Alphabet: s

The Given Character is LOWER