**Dhanish K. Goswami**

**Assignment 1**

**1). Program to take input from user with following approaches:**

**\*\*\*\*\*\*for version3 of python\*\*\*\*\*\***

**x=int(input("enter value of x:"))**

**y=int(input("enter value of y:"))**

**type(x)**

**type(y)**

**result=x+y**

**print(result)**

**print(type(result))**

**2) write a program to print the statement given, following are the statement:**

**Hello! My Name is XYX**

**“Hello I am a candidate”**

**“234.56”**

**“34”**

**a+3j**

**\*\*\*\*\*\*program for version3\*\*\*\*\*\***

**x1=" Hello! My Name is XYX"**

**x2=""" "Hello i am a candidate" """**

**x3=""" "234.56" """**

**x4=" a+3j"**

**x5=""" "34" """**

**print(x1,"\n",x2,"\n",x3,"\n",x5,"\n",x4)**

**3) Solve the following expression and return the data type of the variable:**

**1) X=10+20\*(45+67.0)**

**\*\*\*code\*\*\***

**x=10+20\*(45+67.0)**

**print(x,"\n",type(x))**

**output: 2250.0 <class ‘float’>**

**2) x= (True AND False) OR False**

**\*\*\*code\*\*\***

**a=10**

**b=5**

**x=(a>b and a==b) or a<b**

**print(x)**

**print(type(x))**

**output: False <class ‘bool’>**

**3) x=(true or true) and (not false and true)**

**\*\*\*code\*\*\***

**a=10**

**b=5**

**x=(a>b or b<a) and (a!=0 and a>b)**

**print(x)**

**print(type(x))**

**ouput: True <class ‘bool’>**

**4) Write a program to print “hurray it is what I am looking for” if the number is divisible by both 2 and 5 and if it is not and print “wrong input” Make sure that you allow user to input the value from keyboard.**

**Code:**

**x=int(input("enter value of x:"))**

**if x%2==0 and x%5==0:**

**print("hurray it is what i am looking for")**

**else:**

**print("wrong input")**

**5) Write a program to enter the number and print “yes I am in the range” if it is in the range of 10-50 if not and then print “oops”**

**Code:**

**x=int(input("enter value of x:"))**

**if x>=10 and x<=50:**

**print("yes it is in the range")**

**else:**

**print("OOPS")**

**6) write a program to implement the nested and ladder if else condition.**

**Code:**

**x=int(input("enter value of x:"))**

**if x>=10 and x<=50:**

**print("yes it is in the range")**

**elif x>50 and x<=60:**

**print("it is between 51-60")**

**elif x>60 and x<=100:**

**print("It is in the range of 61-70")**

**else:**

**print("this is out of given range")**