ASSIGNMENT 4:

PROGRAM:

// Java program to Demonstrate Polymorphism

// This class will contain

// 3 methods with same name,

// yet the program will

// compile & run successfully

public class Sum {

// Overloaded sum().

// This sum takes two int parameters

public int sum(int x, int y)

{

return (x + y);

}

// Overloaded sum().

// This sum takes three int parameters

public int sum(int x, int y, int z)

{

return (x + y + z);

}

// Overloaded sum().

// This sum takes two double parameters

public double sum(double x, double y)

{

return (x + y);

}

// Driver code

public static void main(String args[])

{

Sum s = new Sum();

System.out.println(s.sum(10, 20));

System.out.println(s.sum(10, 20, 30));

System.out.println(s.sum(10.5, 20.5));

}

}

OUTPUT:

30

60

31.0

SCREENSHOT:

