## **OOAD Assignment 3**

## **3) What will be the outcome of the below program?**

## public class MainClass

## {

## double overloadedMethod(double d) { return d \*= d; } int overloadedMethod(int i) { return overloadedMethod(i \*= i); } float overloadedMethod(float f) { return overloadedMethod(f \*= f); } public static void main(String[] args) { MainClass main = new MainClass(); System.out.println(main.overloadedMethod(100)); }

## }

A) Output of above code will be “StackOverflowError” because the method which is called in main method is recursive method and there is no exit criteria for it.