Object oriented programming using JAVA - LAB

Assignment 5
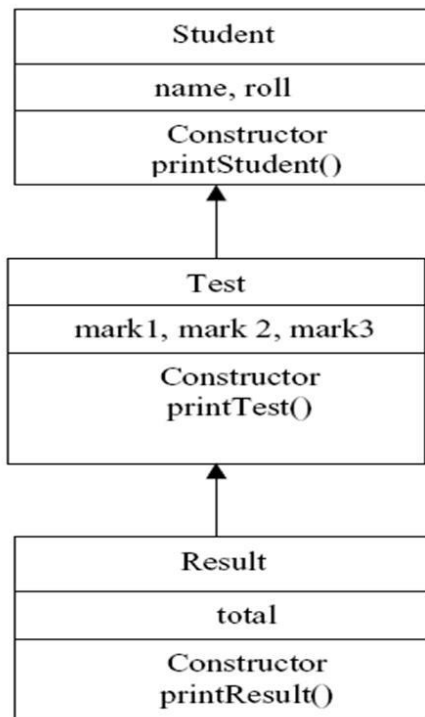
Total mark – 30

Topic: Inheritance

Sl. No.	Question
1	Design following class hierarchies. Employee -empName (String) -empID (int) +Default constructor +Parameterised constructor +inputData() +displayData() Manager -basicSalary (Double) -DA (byte) -HRA (byte) +Default constructor +Parameterised constructor +getInfo() +calSal() +printInfo() Note that the items with a minus sign (-) indicate private members and items with a plus sign (+) indicate public members. Test the methods of both the classes by creating objects in the main method of another class.

| 2 | Design following class hierarchies.

| | |

| | Data members are private, constructors and methods are public. Test the methods of all classes by creating objects of Result class in the main method of another class. |
| 3 | Modify the above program to demonstrate the method overriding. |

Design following class hierarchies.

Student

name, roll

Constructor
printStudent()

Test

mark1, mark 2, mark3

Constructor
printTest()

Result

total

Constructor
printResult()

Data members are private, constructors and methods are public. Test the methods of all classes by creating objects of Result class in the main method of another class.