**QUESTION NO :- 01**

Employee Class

package com.mycompany.lab3;

public class Employee {

private int empID;

private String empname;

private String empDesignation;

public void setempID(int ID){

empID=ID;

}

public void setempname(String n){

empname=n;

}

public void setempDesignation(String d){

empDesignation=d;

}

public int getempID(){

return empID;

}

public String getempname(){

return empname;

}

public String getempDesignation(){

return empDesignation;

}

}

The class used to invoke Employee Class

public class Lab3 {

public static void main(String[] args) {

Employee Bo=new Employee();

Bo.setempname("Mr. bogdan");

Bo.setempID(101);

Bo.setempDesignation("Chief executive marketer");

Employee Bi=new Employee();

Bi.setempname("Ms.Bird");

Bi.setempID(103);

Bi.setempDesignation("Junior Executive");

{

System.out.println("Employee name: "+Bo.getempname());

System.out.println("Employee number: "+Bo.getempID());

System.out.println("Designation: "+Bo.getempDesignation());

}

System.out.println("");

{

System.out.println("Employee name: "+Bi.getempname());

System.out.println("Employee number: "+Bi.getempID());

System.out.println("Designation: "+Bi.getempDesignation());

}

}

}

**QUESTION NO :- 02**

Building Lab3point2 1.0-SNAPSHOT

--------------------------------[ jar ]---------------------------------

--- exec-maven-plugin:3.1.0:exec (default-cli) @ Lab3point2 ---

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BUILD SUCCESS

Exercise 3

Parent Class

package com.mycompany.practicals;

public class Person {

protected String name;

protected int ID;

public void setName(String n){

name=n;

}

public String getName(){

return name;

}

public void setID(int i){

ID=i;

}

public int getID(){

return ID;

}

}

Child Class Student

package com.mycompany.practicals;

public class Student extends Person {

private String course;

public void setCourse(String c){

course=c;

}

public String getCourse(){

return course;

}

public void display(){

System.out.println("Student Name" +name);

System.out.println("Student ID " +ID);

System.out.println("Course" +course);

}

}

Child Class Lecturer

package com.mycompany.practicals;

public class Lecturer extends Person{

private String programme;

public void setCourse(String p){

programme=p;

}

public String getCourse(){

return programme;

}

public void display(){

System.out.println("Lecturer Name " +name);

System.out.println("Lecturer ID " +ID);

System.out.println("Programme" +programme);

}

}

Main Method:

package com.mycompany.practicals;

public class Practicals {

public static void main(String[] args) {

Student s= new Student();

s.setName("Sandali");

s.setID(2345);

s.setCourse("Software Engineering");

s.display();

Lecturer l= new Lecturer();

l.setName("Pramudya");

l.setID(8790);

l.setCourse("C#");

l.display();

}

}

Output:

--------------------------------[ jar ]---------------------------------

--- exec-maven-plugin:3.1.0:exec (default-cli) @ Practicals ---

Student NameSandali

Student ID 2345

CourseSoftware Engineering

Lecturer Name Pramudya

Lecturer ID 8790

ProgrammeC#

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BUILD SUCCESS