# Practical 4.

## Exercise 1;

```
🏂 EmployeeObj.java 🗴 🖄 Employee.java 🗴
                        서및 및 무림의 [주 등 및 (텔 텔)
Source History III ₹ ▼
      package com.mycompany.employeeobj;
      public class Employee {
         private String empName, empDesignation;
         public void setempId(int ei){
          public int getempId() {
          public void setempName(String en) {
          public String getempName(){
          public void setempDesignation(String ed) {
          public String getempDesignation() {
```

```
🏘 EmployeeObj.java 🗴 🛮 🛣 Employee.java 🗴
                       History
Δ
      package com.mycompany.employeeobj;
     public class EmployeeObj {
         public static void main(String[] args) {
             Employee Bogdan = new Employee();
                 Bogdan.setempId(ei: 43568);
                 Bogdan.setempName(en: "Mr.Bogdan");
                 Bogdan.setempDesignation(ed: "Program Manager");
             Employee Bird = new Employee();
                 Bird.setempId(ei: 23564);
                 Bird.setempName(en: "Mr.Bird");
                 Bird.setempDesignation(ed: "Project Manager");
             System.out.println("Employee ID: "+ Bogdan.getempId());
             System.out.println("Employee Name: "+ Bogdan.getempName());
             System.out.println("Employee Designation: "+Bogdan.getempDesignation());
             System.out.println(x: "");
             System.out.println("Employee ID: "+ Bird.getempId());
             System.out.println("Employee Name: "+ Bird.getempName());
             System.out.println("Employee Designation: "+ Bird.getempDesignation());
 Employee ID: 43568
 Employee Name: Mr.Bogdan
 Employee Designation: Program Manager
```

```
Employee ID: 43568
Employee Name: Mr.Bogdan
Employee Designation: Program Manager

Employee ID: 23564
Employee Name: Mr.Bird
Employee Designation: Project Manager

BUILD SUCCESS
```

#### Exercise 2;

## Exercise 3;

```
Test.java X Person.java X Student.java X Lect

Source History Package com.mycompany.test;

package com.mycompany.test;

public class Person{
    private String name;
    private int id;

    public Person(String n, int i) {
        name = n;
        id = i;
    }

public void setname(String n) {
        name = n;
    }

public String getname() {
        return name;
    }

public void setid(int i) {
        id = i;
    }

public int getid() {
        return id;
    }

public int getid() {
        return id;
    }

}
```

```
Test.java X Person.java X Student.java X

Source History Package com.mycompany.test;

package com.mycompany.test;

public class Student extends Person{
    private String course;

public Student(String n, int i, String c){
    super(n, i);
    course = c;
    }

public void setcourse(String c){
    course = c;
    }

public String getcourse(){
    return course;
    }

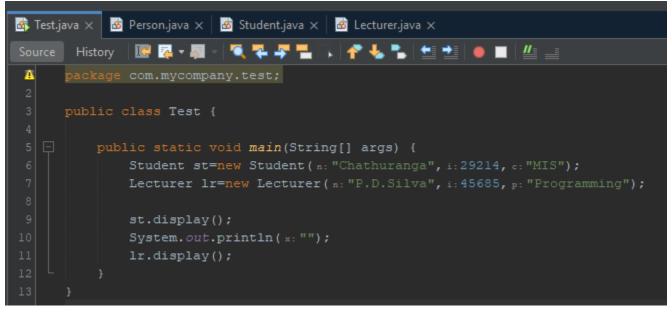
public void display(){
    System.out.println("Student Name: "+getname());
    System.out.println("Student ID: "+getid());
    System.out.println("Course : "+getcourse());

21

22

3    public void display(){
    System.out.println("Course : "+getcourse());
```

```
🚳 Test.java 🗴 🔯 Person.java 🗴 🔯 Student.java 🗶 🔯 Lecturer.java 🗴
             History
     package com.mycompany.test;
     public class Lecturer extends Person{
         private String programme;
         public Lecturer(String n, int i, String p){
             super(n,i);
             programme = p;
         public void setprogramme(String p) {
             programme = p;
         public String getprogramme(){
         public void display() {
             System.out.println("Lecturer Name: Mr./Mrs. "+getname());
             System.out.println("Lecturer ID: "+getid());
             System.out.println("Programme : "+getprogramme());
```



# Exercise 4;

```
💰 Animal.java 🗴 📓 Mammal.java 🗴 💰 Reptile.java 🗴
Pro...×
                                                                                                                            🌴 Animals.java 🗴

▼ Some Animals

■ Comparison

■ Compari
                                                                                                                                                                                                       ◎ ◎ ▽ 圖 ▽ ◎ 후 후 등 □ | ↑ ◆ 등 | ● ● |
                                                                                                                                                                   History
             Source Packages
                                                                                                                                  Δ
                       com.mycompany.a
                                              Animal.java
                                              Animals.java

■ Dog.java

                                                                                                                                                                                public static void main(String[] args) {
                                              Mammal.java
                                                                                                                                  Q,
                                                                                                                                                                                                    Animal a=new Animal();
                                              Reptile.java
             > 📑 Test Packages
                                                                                                                                                                                                    Mammal m=new Mammal();
             > 📴 Dependencies
             > 🐚 Java Dependencies
                                                                                                                                                                                                    Dog d=new Dog();
             > Project Files
                                                                                                                                                                                                     System.out.println(m instanceof Animal);
                                                                                                                                                                                                     System.out.println(d instanceof Mammal);
                                                                                                                                                                                                     System.out.println(d instanceof Animal);
```

```
--- exec-maven-plugin:3.0.0:exec (default-cli) @ Animals ---
true
true
true
build Success
```