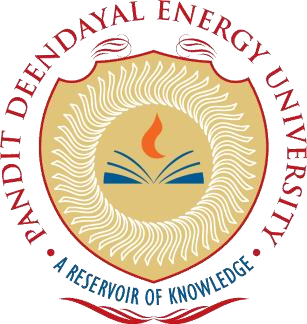
# Design Pattern Lab (20CP210P)

# Assignment 8



Name : Kartikey Vaghasiya

RollNum: 21BCP141

Class Main

public class Main  
{  
 public static void main (String[] args)  
 {  
 Driver d1 = new Driver(100, "Ram bhai", "Pro Driver");  
 Driver d2 = new Driver(101, "Shyam bhai", "noob Driver");  
 Directory driverDirectory = new Directory();  
 driverDirectory.addEmployee(d1);  
 driverDirectory.addEmployee(d2);  
  
 Conductor con1 = new Conductor(200, "Suresh bhai", "day Conductor");  
 Conductor man2 = new Conductor(201, "Ramesh bhai ", "night Conductor");  
  
 Directory conDirectory = new Directory();  
 conDirectory.addEmployee(con1);  
 conDirectory.addEmployee(man2);  
  
 Directory directory = new Directory();  
 directory.addEmployee(driverDirectory);  
 directory.addEmployee(conDirectory);  
 directory.showEmployeeDetails();  
 }  
}

Interface Employee

public interface Employee  
{  
 public void showEmployeeDetails();  
}

Class Driver

public class Driver implements Employee {  
 private String name;  
 private long empId;  
 private String position;  
  
 @Override  
 public void showEmployeeDetails() {  
 System.*out*.println(empId+" " +name);  
 }  
  
 public Driver (long empId, String name, String position)  
 {  
 this.empId = empId;  
 this.name = name;  
 this.position = position;  
 }  
  
}

Class Conductor

public class Conductor implements Employee {  
  
 private String name;  
 private long empId;  
 private String position;  
  
 @Override  
 public void showEmployeeDetails() {  
 System.*out*.println(empId+" " +name);  
 }  
  
 public Conductor (long empId, String name, String position)  
 {  
 this.empId = empId;  
 this.name = name;  
 this.position = position;  
 }  
  
}

Class Directory

import java.util.ArrayList;  
import java.util.List;  
  
 public class Directory implements Employee  
 {  
 private List<Employee> employeeList = new ArrayList<Employee>();  
  
 @Override  
 public void showEmployeeDetails()  
 {  
 for(Employee emp:employeeList)  
 {  
 emp.showEmployeeDetails();  
 }  
 }  
  
 public void addEmployee(Employee emp)  
 {  
 employeeList.add(emp);  
 }  
  
 public void removeEmployee(Employee emp)  
 {  
 employeeList.remove(emp);  
 }  
 }

Output

