**1.Write a program that describes the hierarchy of an organization. Here we need to write 3 classes Employee, Manager & Labour where Manager & Labour are the sub classes of the Employee. Manager has incentive &Labour has over time. Add the functionality to calculate total salary of all the employees. Use polymorphism i.e. method overriding.**

**package com.zensar;  
  
class Employee {  
  
 private String name;  
 private String role;  
 private int age;  
 private long sal;  
  
 public String getName() {  
 return name;  
 }  
  
 public String setName(String name) {  
 this.name = name;  
 return getName();  
 }  
  
 public String getRole() {  
 return role;  
 }  
  
 public String setRole(String role) {  
 this.role = role;  
 return getRole();  
 }  
  
 public int getAge() {  
 return age;  
 }  
  
 public void setAge(int age) {  
 this.age = age;  
 }  
  
 publicS long getSal() {  
 return sal;  
 }  
  
 public void setSal(long sal) {  
 this.sal = sal;  
 }  
  
 void calculateSalary()  
 {  
 System.*out*.println("Average salary for Zensar Employees");  
 System.*out*.println("30,000");  
 }  
}  
  
  
class Manager extends Employee  
{  
 void calculateSalary()  
 {  
 long curr\_sal = 75000;  
 long bonus = 15000;  
  
 System.*out*.println("Salary for Manager");  
 System.*out*.println(curr\_sal+bonus);  
 }  
}  
  
class Labour extends Employee  
{  
  
  
  
 void calculateSalary()  
 {  
 int extra\_hour = 5000;  
 long curr\_sal = 25000;  
  
  
 System.*out*.println("Salary for Labour");  
 System.*out*.println(curr\_sal+extra\_hour);  
 }  
}  
  
public class EmpMain{  
 public static void main(String[] args) {  
  
 Employee emp = new Employee();  
  
 Employee e = new Manager();  
 Employee e2 = new Labour();  
  
  
  
  
  
  
 Manager man = (Manager) e;  
 System.*out*.println(man.setName("Ramu"));  
 System.*out*.println(man.setName("Manager"));  
 man.calculateSalary();  
  
  
 Labour lab = (Labour) e2;  
 System.*out*.println(man.setName("Palani"));  
 System.*out*.println(man.setName("Labour"));  
 man.calculateSalary();  
  
  
  
  
 }  
}**

**2.Write a program to consider saving & current account in the bank. Saving account holder has ‘Fixed Deposits’ whereas Current account holder has cash credit. Apply polymorphism to find out total cash in the bank.**

**package com.zensar;  
  
public class BankingApplication {  
 public static void main(String[] args) {  
 Savings s = new Savings();  
 s.displayDetails("Raja",64000);  
 s.calculateBalance(3);  
  
 Current c = new Current();  
 c.displayDetails("Ilango",55000);  
 c.calculateBalance(4);  
  
 }  
  
}  
  
class Savings {  
 double amount;  
  
 void displayDetails(String name,double amt)  
 {  
 System.*out*.println(name + " " + amt);  
 amount = amt;  
 }  
  
  
  
 void calculateBalance(int year)  
 {  
 double interest = 7.5;  
 System.*out*.println("Curr Balance " + amount\*interest\*year);  
 }  
  
}  
  
class Current{  
 double amount;  
 void displayDetails(String name,double amt)  
 {  
 System.*out*.println(name + " " + amt);  
 amount = amt;  
 }  
  
  
 void calculateBalance(int year)  
 {  
 double interest = 6.5;  
 System.*out*.println("Curr Balance " + amount\*interest\*year);  
  
 }  
  
}**