Name – Harsh Ratna

PRN- 21070126032

Batch- AIML A2

Java assignment 5

Github Link : https://github.com/Harsh-Ratna/Java-Programs/tree/main/Java%20assignment%205

**Code :**

public abstract class Employee {

private String name;

private String address;

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public String getAddress() {

return address;

}

public void setAddress(String address) {

this.address = address;

}

protected int basicSalary;

public Employee(String name, String address, int basicSalary) {

this.name = name;

this.address = address;

this.basicSalary = basicSalary;

}

public abstract int calculateMonthlySalary();

}

public class NormalEmployee extends Employee {

public NormalEmployee(String name, String address, int basicSalary) {

super(name, address, basicSalary);

}

@Override

public int calculateMonthlySalary() {

return basicSalary / 12;

}

}

public class BonusEmployee extends Employee {

private int monthlyBonus;

public BonusEmployee(String name, String address, int basicSalary, int monthlyBonus) {

super(name, address, basicSalary);

this.monthlyBonus = monthlyBonus;

}

@Override

public int calculateMonthlySalary() {

return (basicSalary / 12) + monthlyBonus;

}

// Getter and setter for monthlyBonus

}

public class TestEmployee {

public static void main(String[] args) {

NormalEmployee normalEmployee = new NormalEmployee("Harsh Ratna", "123 Sus st", 1200000);

BonusEmployee bonusEmployee = new BonusEmployee("Abhinav Kumar", "784 park lane", 100000, 20000);

System.out.println("Normal Employee:");

System.out.println("Name: " + normalEmployee.getName());

System.out.println("Address: " + normalEmployee.getAddress());

System.out.println("Monthly Salary: " + normalEmployee.calculateMonthlySalary());

System.out.println();

System.out.println("Bonus Employee:");

System.out.println("Name: " + bonusEmployee.getName());

System.out.println("Address: " + bonusEmployee.getAddress());

System.out.println("Monthly Salary: " + bonusEmployee.calculateMonthlySalary());

}

}

Output :

