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package oops.encap;

public class Employee {
    private String firstname;
    private String lastname;
    private String employeeid;
    private int experience;
    private String designation;
    private Double salary;
    //initialize the instance variable
    public Employee(String firstname,String lastname,String
employeeid,int experience,String designation,Double salary)
    {
        this.firstname = firstname;
        this.lastname = lastname;
        this.employeeid = employeeid;
        this.experience = experience;
        this.designation = designation;
        this.salary = salary;
    }
    public String getFirstname() {
        return firstname;
    }
    public void setFirstname(String firstname) {
        this.firstname = firstname;
    }
    public String getLastname() {
        return lastname;
    }
    public void setLastname(String lastname) {
        this.lastname = lastname;
    }
    public String getEmployeeid() {
        return employeeid;
    }
    public void setEmployeeid(String employeeid) {
        this.employeeid = employeeid;
    }
    public int getExperience() {
        return experience;
    }
    public void setExperience(int experience) {
        this.experience = experience;
    }
    public String getDesignation() {
        return designation;
    }
    public void setDesignation(String designation) {
        this.designation = designation;
    }
    public Double getSalary() {
        return salary;
    }
    public void setSalary(Double salary) {
        this.salary = salary;
    }
    // Method to calculate yearly salary
    public double calculateYearlySalary() {
        return salary * 12;
    }
}

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    }
    public void applyHike() {
        if (experience >= 3) {
            if (experience >= 5 &&
designation.equalsIgnoreCase("managers")) {
                // 20% hike for Managers with 5+ years of experience
                salary *= 1.2;
            } else if (experience == 20) {
                // 10% hike for an Employee with 20 years of experience
                salary *= 1.1;
            }
        }
    }
}
}
}
}
}

package oops.encap;
import java.util.Scanner;
public class EmployeeTest {

    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        // Get user input for Employee
        System.out.println("Enter details for Employee:");
        System.out.print("First Name: ");
        String firstName = scanner.nextLine();
        System.out.print("Last Name: ");
        String lastname = scanner.nextLine();
        System.out.print("Experience (in years): ");
        int experience = scanner.nextInt();
        scanner.nextLine();
        System.out.print("Designation:");
        String designation = scanner.nextLine();
        System.out.print("Salary: ");
        double salary = scanner.nextDouble();
        // Create Employee object
        Employee employee = new
Employee(firstName,lastname,designation,experience, designation,
salary);

        // Applying hike based on experience and designation
        employee.applyHike();
        // Display yearly salary of Employee after the hike
        System.out.println("Salary with hike: $" +
employee.calculateYearlySalary());
    }
}

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Enter details for Employee:
First Name: Vandana
Last Name: Nandyala
Experience (in years): 3
Designation:SE
Salary: 30000
Salary with hike: $360000.0

```