Core Java, Revision for method calling, Object Orientation

Create a class Employee, having properties like

salary ,name, designation, taskName etc.

Write the following methods in the employee class

Q1) Method to increase the salary by a certain percentage

Q2) Method to change the designation of an employee

Q3) Method to set the taskName.

Q4) Based on the above Employee class , every employee who belongs to manager has been allocated with Laptop.

Write a code to allocate Laptop to employee.

Hint : Employee has-a Laptop

Q5)

Write an application that calculates and displays the weekly salary for an employee. Create a class employee to consist of the following information: -

```
3  public class Employee {
4
5      private final int WEEKLY_WORKING_HR = 40;
6      private int totalWorkingHr;//in a week
7      private final int HOURLY_RATE = 500;
8      private int weeklyNormalPayment;
9      private int weeklyOverPayment;
10     private int totalPayment;
11
12 }
```

Create Constructor and getters & setters are used to get & set the data from the user.

Note : calculateSalary() is used to calculate weekly salary in two ways.

Q6) Normal rates are applicable for the regular hours.
Q7) For overtime hours rate will be 1.5 times to the original one.

calculateSalary() method returns the total weekly salary, which is the sum of both normal & overtime salary.

Q8) Class should have display () to display the result.

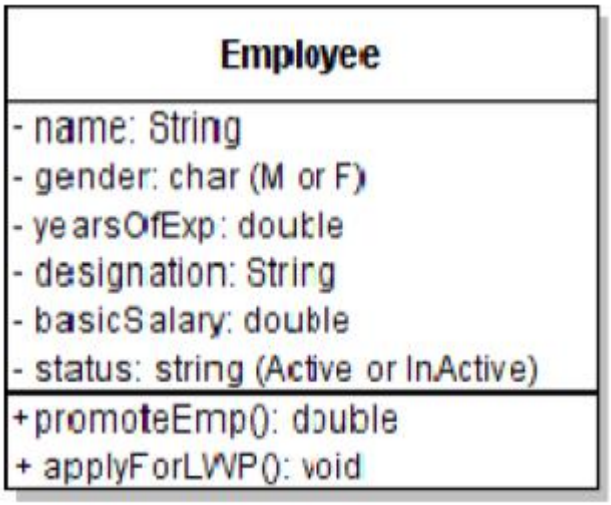
Sample Output

```
Employee total Working : 45
Normal Weekly Salary for 40hrs  : 20000
Extra Weekly Salary for 5hrs @ 750 : 3750
Total Weekly Payment :  23750
```

Note: Employee total Weekly working hours should be inserted by the user (as accountant)

Define Employee class as per the diagram given below:

Whenever Employee object gets created, the minimum information to be provided is name and gender. For a fresher, the initial designation will always be ASE and basic salary will be Rs. 10000. However, for an experienced person, when creating Employee object, the years of experience should also be provided. If years of experience is greater than or equal to 3 years, then designation will be ITA and basic salary will be Rs 15000, else set these attributes as that for a fresher.



For any employee created “status” will always be Active initially. The class implements the following behaviors:

Q9 . promoteEmp(): This behavior promotes the employee to the next designation as given below and returns the new salary after promotion: ASE will be promoted to ITA (salary incremented by 5%). ITA will be promoted to AST (salary incremented by 8%). AST will be promoted to ASC(salary incremented by 10%). ASC is the top designation.

Q10.

ApplyForLWP(): This behavior will change the status of employee to InActive and set basic salary to 0