Assignment 5

Q1. A company pays its employees on a weekly basis. The employees are of four types:

Salaried employees are paid a fixed weekly salary regardless of the number of hours worked.

Hourly employees are paid by the hour and receive overtime pay (i.e., 1.5 times their hourly salary rate) for all hours worked in excess of 40 hours.

Commission employees are paid a percentage of their sales.

Base-salaried commission employees receive a base salary plus a percentage of their sales.

For the current pay period, the company has decided to reward salaried-commission employees by adding 10% to their base salaries. The company wants to write an application that performs its payroll calculations polymorphically.

Optional Assignment Question -> Not Compulsary

Q2. Create a class Vehicle , under the package : com.app.vehicles , to represent any vehicle.
state(data members) : chasisNo : int , color : String , price : double
chasisNo must be unique (non duplicate) for any vehicle (primary Key : unique ID)
Get complete state : toString
Create a class TestVehicle under the package "tester" and accept details of 2 vehicles from user .
Display "SAME" or "DIFFERENT" , in case of same or different chasis nos.
Hint : override equals method inherited from Object class : to replace ref equality by content equality(based upon unique ID : PK) and invoke it