Define classes for clients who are different types of Employees: **SalariedEmployee**, **HourlyEmployee**, and **CommissionEmployee** as shown in the following class diagram. Define a base class **Employee** for these three classes. Define a default construcor and a parameterized constructor with all the attributes as the parameters for each class. Define get and set methods. The **earnings()** method returns the earnings of the employee and **print()** method displays employee's information including name, ssn, and salary. The **earnings()** and **print()** are abstract methods in Employee class.

SalariedEmployee: earnings = weekly salary

HourlyEmployee: if hours <= 40 earnings = wage * hours;
if hours > 40 earnings = (40*wage) + ((hours – 40) * wage * 1.5)

CommissionEmploye: earnings = commissionRate * grossSales
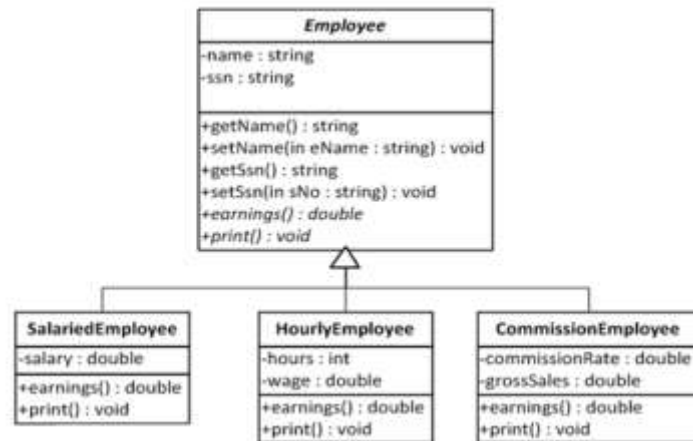
Use attached driver program (**EmployeeTest.java**) to test your classes.

Sample run:

```
Name: John Smith
Ssn: 123456789
Salary: $250.67

Name: Mary Jones
Ssn: 987654321
Wage: $11.2
Hours: 15
Salary: $168.0

Name: James Bond
Ssn: 007
Commission rate: 0.12
Sale total: $120000.0
Salary: $14400.0
```