

SALARY CLASS

Imagine we are working on an salary survey website project and we need to get a new participant salary from the survey form. And also we need to read an existing participant's salary from the database. The salary from user input on the survey form will be a text string and the salary read from the database normally is a primitive double. Design a Java class to handle the statements in the main method as below

1. The main method

```
public class Main {  
  
    public static void main(String[] args) {  
        // create a Salary instance from its constructor  
        Salary mySalary = new Salary(120.50);  
        // print the salary to standard output using its int value  
        System.out.printf("My salary is %f \n",  
            mySalary.doubleValue());  
  
        // create a Salary instance from a static factory method accepting  
        // double parameter  
        Salary yourSalary = Salary.valueOf(200.10);  
        // print the salary to standard output using its double value  
        System.out.printf("Your salary is %f \n", yourSalary.doubleValue());  
  
        // create a Salary instance from a static factory method accepting  
        // String parameter  
        Salary hisSalary = Salary.valueOf("120.50");  
        // print the salary to standard output using its String value  
        System.out.println("His salary is " + hisSalary.toString());  
  
        //compare mySalary and yourSalary using equals() method  
        System.out.println("mySalary.equals(yourSalary):" +  
            mySalary.equals(yourSalary));  
  
        //compare mySalary and hisSalary using equals() method  
        System.out.println("mySalary.equals(hisSalary):" + mySalary.equals(hisSalary));  
    }  
}
```

2. The output of the main method

```
My salary is 120.500000  
Your salary is 200.100000  
His salary is 120.5  
mySalary.equals(yourSalary):false  
mySalary.equals(hisSalary):true
```