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THIS QUESTION AS PER YOUR EXPERTISE ONLY.

Title: Customer

Create a class **Customer** with below attributes:

id - int

name - String

salary - double

age - int

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Write getters, setters and parameterized constructor in the above mentioned attribute sequence as required.

Create class **Solution** with main method Implement two static methods - **findAverageSalaryOfCustomer** and **searchCustomerBySalary** in **Solution** class.

findAverageSalaryOfCustomer

Create a static method

findAverageSalaryOfCustomer in the **Solution** class. This method will take array of **Customer** objects and returns the average Salary of Customer if found else return 0 if not found.

array of Customer objects and returns the average Salary of Customer if found else return 0 if not found.

searchCustomerBySalary

Create a static method

searchCustomerBySalary in the Solution class. This method will take array of Customer objects and Salary as input and returns the Customer object having the mentioned Salary if found else return -1 if not found

These methods should be called from the main method.

Write code to perform the following tasks:

1. Take necessary input variable and call **findAverageSalaryOfCustomer**. For this method - The main method should print the average of the given attribute of Customer object as it is if the returned value is greater than 0.
2. Take necessary input variable and call **searchCustomerBySalary**. For this method - The main method should print the Customer object details as it is, if the returned value is not null, or it should print "No Customer found with

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should print "No Customer found with mentioned attribute"

The above mentioned static methods should be called from the main method. Also write the code for accepting the inputs and printing the outputs. Don't use any static test or formatting for printing the result. Just invoke the method and print the result

Note :

All String comparison needs to be case in-sensitive

You can use/refer the below given sample input and output to verify your solution.

Sample Input (below) description:

The 1st input taken in the main section is the number of Customer objects to be added to the list of Customer.

The next set of inputs are id,name,salary,age for each Customer object taken one after other and is repeated for number of Customer objects given in the first line of input.

The last line of input is the choice in the sample input represents the choice , supplied as an argument to call

Language

Environment

1 im

2 im

3 im

4 im

5 im

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supplied as an argument to call different code.

Consider below sample input and output to test your code:

Sample Input 1 - public

4

104

delma

18000

40

109

ginsa

15000

58

107

Anu

240000

26

114

Nisha

51000

35

18000

Sample Output 1

Average of salary 81000.0

id-104

name-delma

salary-18000.0

age-40

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salary-18000.0

age-40

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Sample Input 2 - public

4

109

Nisha

18000

22

101

delma

16000

21

107

kala

28000

25

115

Tiju

25000

40

25000

Sample Output 2

Average of salary 21750.0

id-115

name-Tiju

salary-25000.0

age-40

Language

Environment

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Test R

Language Java 8

Autocomplete Ready

Environment

```
1 import java.io.*;
2 import java.util.*;
3 import java.text.*;
4 import java.math.*;
5 import java.util.regex.*;

6
7 public class Solution {
8     public static void main(String args[] ) throws Exception {
9         Scanner sc = new Scanner(System.in);
10        int n = sc.nextInt();
11        Customer []arr = new Customer[n];
12        for (int i = 0; i < arr.length; i++) {
13            int a = sc.nextInt();
14            String b = sc.next(); sc.nextLine();
15            double c = sc.nextDouble();
16            int d = sc.nextInt();
17            arr[i] = new Customer(a, b, c, d);
18        }
19        double inp = sc.nextDouble();
20        sc.close();
21
22        double obj1 = searchSalary(arr);
23        if(obj1 > 0){
24            System.out.println("Average of salary is "+obj1);
```

Test Results

Custom Input

Run Code

Run Tests

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```
double obj1 = searchSalary(arr);
if(obj1 > 0){
    System.out.println("Average of salary "+ obj1);
}
else{
    System.out.println(0);
}
Customer obj2 = searchCustomer(arr, inp);
if(obj2 != null){
    System.out.println("id-"+ obj2.getId());
    System.out.println("name-"+ obj2.getName());
    System.out.println("salary-"+ obj2.getSalary());
    System.out.println("age-"+ obj2.getAge());
}
else{
    System.out.println("No Customer found with mentioned attribute");
}

public static double searchSalary(Customer[] arr){
    double sum = 0.0;
    int count = 0;
    for (Customer c : arr) {
        sum += c.getSalary();
        count++;
    }
}
```

Line: 19 Col: 39

Results

Custom Input

Run Code

Run Tests

Submit



```
42 < for (Customer c : arr) {  
43 |     sum += c.getSalary();  
44 |     count++;  
45 | }return sum/count;  
46 }  
47 public static Customer searchCustomer(Customer [] arr, double inp){  
48 |     for (int i = 0; i < arr.length; i++) {  
49 |         if(arr[i].getSalary() == inp){  
50 |             return arr[i];  
51 |         }  
52     }  
53     return null;  
54 }  
55 }  
56 class Customer{  
57     private int id;  
58     private String name;  
59     private double salary;  
60     private int age;  
61  
62 public Customer(int id, String name, double salary, int age){  
63     this.id=id;  
64     this.name=name;  
65 }
```

Line: 19 Col:

Test Results

Custom Input

Run Code

Run Tests

Submit

Search



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```
public Customer(int id, String name, double salary, int age){  
    this.id=id;  
    this.name=name;  
    this.salary=salary;  
    this.age=age;  
}  
  
public int getId(){  
    return id;  
}  
  
public void setId(int id){  
    this.id=id;  
}  
  
public String getName(){  
    return name;  
}  
  
public void setName(String name){  
    this.name=name;  
}  
  
public double getSalary(){  
    return salary;  
}  
  
public void setSalary(double salary){  
    this.salary=salary;  
}
```

Line:

Test Results

Custom Input

Run Code

Run Tests

Search



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```
69     return id;
70 }
71 ✓ public void setId(int id){
72     this.id=id;
73 }
74 ✓ public String getName(){
75     return name;
76 }
77 ✓ public void setName(String name){
78     this.name=name;
79 }
80 ✓ public double getSalary(){
81     return salary;
82 }
83 ✓ public void setSalary(double salary){
84     this.salary=salary;
85 }
86 ✓ public int getAge(){
87     return age;
88 }
89 ✓ public void setAge(int age){
90     this.age=age;
91 }
92 }
```



Test Results

Custom Input

Run Code



Q Search



HackerRank Question

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2. Sum of square of number

You will make a function called as sumOfSquareOfNumber. You will pass a number as an argument. You will return a number back which is the sum of square of individual digit. Please look into the sample input and sample output for the application.

Sample input
123

sample output
14

explanation:
 $1 + 2^2 + 3^2 = 1 + 4 + 9 = 14$

Sample input:
12

sample output:
5

Environment

```
1 import java.io.*;
2 import java.util.*;
3 import java.text.*;
4 import java.math.*;
5 import java.util.regex.*;
6
7 public class Solution {
8     public static void main(String args[]) throws Exception {
9         Scanner sc = new Scanner(System.in);
10        int n = sc.nextInt();
11        int sum = 0;
12        int digit;
13        while(n>0){
14            digit = n % 10;
15            sum += digit*digit;
16            n = n/10;
17        }
18        System.out.println(sum);
19    }
20 }
```