STRING-TOKENIZER

1)Separate the tokens(operands and operators) from below statement:

3 + (20%2) * (20/2)

Case 1)Print separated tokens

Case 2)Print Operators and Operand separately

⇒

```
package com.prathamesh.jan24;
import java.util.StringTokenizer;

class Case_one {
   public void showToken(String str) {
      StringTokenizer s2 = new StringTokenizer(str, "+()%/[0-9]", false);
      while (s2.hasMoreTokens()) {
         System.out.println(s2.nextToken());
      }
   }
}

class Case_Two {
   public void showToken(String str) {
      StringTokenizer s1 = new StringTokenizer(str, "() +%*/", false);
      while (s1.hasMoreTokens()) {
         System.out.println(s1.nextToken());
      }
   }
}

public class Q1 {
   public static void main(String[] args) {
      String str = "3 + (20%2) * (20/2)";
      Case_one c1 = new Case_one();
      Case_Two c2 = new Case_Two();
      c1.showToken(str);
      System.out.println("**********************");
      c2.showToken(str);
   }
}
```

Output:

```
3
+

(
```

```
2
0
%
2
)
 *
(
2
0
/
2
)
**********
3
20
2
20
2

Process finished with exit code 0
```

2)Using Constructor try to Reinitialize values of class
Employee(emp_id,emp_name,emp_address,emp_sal)

⇒

```
package com.prathamesh.jan24;

class Employee {
    int emp_id;
    String emp_name;
    String emp_address;
    int emp_sal;

    Employee() {
        System.out.println(emp_id);
        System.out.println(emp_name);
        System.out.println(emp_address);
        System.out.println(emp_sal);
    }

    public void displayEmployeeData() {
        System.out.print(emp_id + " ");
        System.out.print(emp_name + " ");
        System.out.print(emp_address + " ");
        System.out.println(emp_sal + " ");
    }
```

```
}

public class Q2 {
   public static void main(String[] args) {
       Employee e1 = new Employee();
       e1.emp_id = 1001;
       e1.emp_name = "Prathamesh";b
       e1.emp_address = "Ekta Nagar";
       e1.emp_sal = 45000;
       System.out.println("**************");
       e1.displayEmployeeData();
   }
}
```

Output:

```
0
null
null
0
**************
1001 Prathamesh Ekta Nagar 45000

Process finished with exit code 0
```