

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.hasMoreElements()) {  
            System.out.println(s1.nextToken());  
        }  
        System.out.println("*****");  
        StringTokenizer s2 = new StringTokenizer(str, "320() ", false);  
        while (s2.hasMoreElements()) {  
            System.out.println(s2.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";
        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

```