23BAI1117 – BCSE103E – Java

01/08/2024 – Day5

https://github.com/sriram-s-23BAI1117/javap

1)

```java
J StrTokenExample1.java > ...
  1    import java.util.StringTokenizer;
  2
  3    class StrTokenExample1{
       Run | Debug
  4        public static void main(String[] args) {
  5            StringTokenizer st = new StringTokenizer(str:"my name is khan",delim:" ");
  6            while (st.hasMoreTokens()){
  7                System.out.println(st.nextToken());
  8            }
  9        }
 10    }
 11
```

```
PS E:\javap-01-07-2024>  & 'C:\Program Files\Java\jdk1.8.0_202\b
6c676284bac1c656419006990\redhat.java\jdt_ws\javap-01-07-2024_fc
my
name
is
khan
```

2)

```java
J StrTokenExample2.java > ...
  1    import java.util.*;
  2
  3    public class StrTokenExample2 {
       Run | Debug
  4        public static void main(String[] args) {
  5            StringTokenizer st = new StringTokenizer(str:"my,name,is,khan");
  6            System.out.println("Next token is: "+st.nextToken(delim:","));
  7        }
  8    }
```

```
PS E:\javap-01-07-2024>  & 'C:\Program Files\Java\
Storage\93daa686c676284bac1c656419006990\redhat.ja
Next token is: my
```

3)

```java
import java.util.StringTokenizer;

public class StrTokenExample3 {
    Run | Debug
    public static void main(String[] args) {
        StringTokenizer st = new StringTokenizer(str:"Demonstrating methods from String Tokenizer class",delim:" ");
        while (st.hasMoreTokens()){
            System.out.println(st.nextToken());
        }
    }
}
```

```
PS E:\javap-01-07-2024>  & 'C:\Program Files\Java\jdk1.8.0_2
Storage\93daa686c676284bac1c656419006990\redhat.java\jdt_ws\
Demonstrating
methods
from
String
Tokenizer
class
```

4)

```java
import java.util.StringTokenizer;

public class StrTokenExample4 {
    Run | Debug
    public static void main(String[] args) {
        StringTokenizer st = new StringTokenizer(str:"Demonstrating methods from String Tokenizer class",delim:" ");
        while (st.hasMoreElements()){
            System.out.println(st.nextToken());
        }
    }
}
```

```
PS E:\javap-01-07-2024>  & 'C:\Program Files\Java\jdk1.8.0_
6857' '-cp' 'C:\Users\student.PROGRAMMING404\AppData\Roamin
4_fc893813\bin' 'StrTokenExample4'
Demonstrating
methods
from
String
Tokenizer
class
```

5)

```java
import java.util.StringTokenizer;

public class StrTokenExample5 {
    Run | Debug
    public static void main(String[] args) {
        StringTokenizer st = new StringTokenizer(str:"Hello Everyone Have a nice day",delim:" ");
        while (st.hasMoreTokens()) {
            System.out.println(st.nextElement());
        }
    }
}
```

```
PS E:\javap-01-07-2024>  & 'C:\Program Files\Java\jd
Storage\93daa686c676284bac1c656419006990\redhat.java
Hello
Everyone
Have
a
nice
day
```

6)

```java
import java.util.StringTokenizer;

public class StrTokenExample6 {
    Run | Debug
    public static void main(String[] args) {
        StringTokenizer st = new StringTokenizer(str:"Hello Everyone Have a nice day",delim:" ");
        System.out.println("Total number of Tokens: "+st.countTokens());
    }
}
```

```
PS E:\javap-01-07-2024>  & 'C:\Program Files\Java\jdk1.8.0_202\bin\java.exe'
6882' '-cp' 'C:\Users\student.PROGRAMMING404\AppData\Roaming\Code\User\works
-2024_fc893813\bin' 'StrTokenExample6'
Total number of Tokens: 6
```

Arrays

7)

```java
public class ArrayEx1 {
    Run | Debug
    public static void main(String[] args) {
        int[] arr;
        arr = new int[5];
        arr[0]=10;
        arr[1]=20;
        arr[2]=30;
        arr[3]=40;
        arr[4]=50;
        for (int i=0;i<arr.length;i++){
            System.out.println("Element at index "+i+" : "+arr[i]);
        }
    }
}
```

```
PS E:\javap-01-07-2024>  & 'C:\Program Files\Java\jdk1.8.0_
6939' '-cp' 'C:\Users\student.PROGRAMMING404\AppData\Roamin
-2024_fc893813\bin' 'ArrayEx1'
Element at index 0 : 10
Element at index 1 : 20
Element at index 2 : 30
Element at index 3 : 40
Element at index 4 : 50
```

8)

```java
public class ArrayEx2 {
    Run | Debug
    public static void main(String[] args) {
        Student[] arr = new Student[5];
        arr[0] = new Student(roll_no:1,name:"aman");
        arr[1] = new Student(roll_no:2,name:"vaibhav");
        arr[2] = new Student(roll_no:3,name:"shikar");
        arr[3] = new Student(roll_no:4,name:"dharmesh");
        arr[4] = new Student(roll_no:5,name:"mohit");
        for (int i=0;i<arr.length;i++){
            System.out.println("Element at "+i+" : "+arr[i].roll_no+" "+arr[i].name);
        }
    }
}

class Student{
    public int roll_no;
    public String name;
    Student(int roll_no,String name){
        this.roll_no = roll_no;
        this.name = name;
    }
}
```

```
PS E:\javap-01-07-2024>  & 'C:\Program Files\Java\jdk1.8.0_202\b
Storage\93daa686c676284bac1c656419006990\redhat.java\jdt_ws\java
Element at 0 : 1 aman
Element at 1 : 2 vaibhav
Element at 2 : 3 shikar
Element at 3 : 4 dharmesh
Element at 4 : 5 mohit
```