

Expression	Constant fits in char?	Resulting Type	Output
true ? x : 0	Yes (\$0 \le 65,535)	char	X
true ? x : 65535	Yes (\$65,535 \le 65,535 ghString)	char	X
true ? x : 65536	No (\$65,536 > 65,535\$)	int	88
true ? x : i	N/A (Variable)	int	88

```
import java.util.regex.Matcher;
import java.util.regex.Pattern;
```

```
public class RegexTest {
    public static void main(String[] args) {
        String reg = "\\w\\W?[^f-m3-7]{3,6}";
        String s = "Aei883 2rf 2f09 23f-09jiDli73 ^2Vid3#iun23 O@#noin32";

        Pattern p = Pattern.compile(reg);
        // Corrected: use the string 's' here, not 'reg'
        Matcher m = p.matcher(s);

        int count = 0;
        while(m.find()) {
            count++;
            System.out.println("Match " + count + ": [" + m.group() + "]");
        }
        System.out.println("\nTotal Count: " + count);
    }
}
```

Match 1: [3 2r]

Match 2: [f09 2]

Match 3: [f-09]

Match 4: [3 ^2V]

Match 5: [iun2]

Match 6: [3 O@#no]

Total Count: 6

```
public class RegexTest {
    public static void main(String[] args) {
        String r = "srrsrrrrsssr";
        r += "rrssrsrrrsrssrsrs";
        Scanner sc = new Scanner(r);
        sc.useDelimiter("r");
        int num = 0;
        int index = 1;
        while(sc.hasNext()) {
            num++;
            System.out.println(index++ + sc.next());

        }
        System.out.println();
        System.out.println(num);

    }
}
```

}

1s

2

3s

4s

5

6

7

8sss

9

10

11sss

12s

13

14s

15s

16ss

17ss

18s

18