

Matcher pattern() method in Java with Examples

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The **pattern()** method of **Matcher Class** is used to get the pattern to be matched by this matcher.

Syntax:

```
public Pattern pattern()
```

Parameters: This method do not accepts any parameter.

Return Value: This method returns a **Pattern** which is the pattern to be matched by this Matcher.

Below examples illustrate the `Matcher.pattern()` method:

Example 1:

```
// Java code to illustrate pattern() method

import java.util.regex.*;

public class GFG {
    public static void main(String[] args)
    {

        // Get the regex to be checked
        String regex = "Geeks";

        // Create a pattern from regex
        Pattern pattern
            = Pattern.compile(regex);

        // Get the String to be matched
        String stringToBeMatched
            = "GeeksForGeeks";

        // Create a matcher for the input String
        Matcher matcher
            = pattern.matcher(stringToBeMatched);

        // Get the Pattern using pattern() method
        System.out.println("Pattern: "
                           + matcher.pattern());
    }
}
```

```
}
```

Output:

Pattern: Geeks

Example 2:

```
// Java code to illustrate pattern() method

import java.util.regex.*;

public class GFG {
    public static void main(String[] args)
    {

        // Get the regex to be checked
        String regex = "GFG";

        // Create a pattern from regex
        Pattern pattern
            = Pattern.compile(regex);

        // Get the String to be matched
        String stringToBeMatched
            = "GFGFGFGFGFGFGFGFGFG";

        // Create a matcher for the input String
        Matcher matcher
            = pattern.matcher(stringToBeMatched);

        // Get the Pattern using pattern() method
        System.out.println("Pattern: "
                           + matcher.pattern());
    }
}
```

Output:

Pattern: GFG

Reference: [Oracle Doc](https://www.oracle.com/technetwork/java/javase/8-releases-3593711.html)

