

```

10.import java.util.regex.Matcher;

import java.util.regex.Pattern;

public class RegexDemo {

    public static void main(String[] args) {

        String str = "The quick brown fox jumps over the lazy dog";

        String patternStr = "q[a-z]+k";

        Pattern pattern = Pattern.compile(patternStr);

        Matcher matcher = pattern.matcher(str);

        if (matcher.find()) {

            System.out.println("Match found: " + matcher.group(0));

        } else {

            System.out.println("Match not found");

        }

    }

}

```

Output:

The screenshot shows the Eclipse IDE with the following components:

- Package Explorer:** Shows the project structure with packages like `access modifiers`, `ap`, `Array`, `Class`, `collection`, `constructor`, `email`, `java1`, `map`, `MC`, `regexexp`, `JRE System Library [JavaSE-17]`, `src`, `regexexpression`, and `RegexDemo.java`.
- Editor:** Displays the source code of `RegexDemo.java`, which matches the code provided in the previous block.
- Outline:** Shows the class `RegexDemo` under the package `regexexpression`.
- Console:** Shows the output of the program: `<terminated> RegexDemo [Java Application] C:\Program Files\Java\jdk-17.0.5\bin\javaw.exe (08-May-2023, 11:48:46 pm - 11:48:49 pm) [pid: 4540] Match found: quick`.