Source Code:

```java
package Java;
import java.util.Scanner;
import java.util.regex.Matcher;
import java.util.regex.Pattern;

public class Regex {
    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);

        // Verify if a string matches a regular expression
        System.out.print("Enter a string to match: ");
        String str = input.nextLine();
        boolean isMatch = Pattern.matches("[a-zA-Z]+", str);
        System.out.println("Does the string match the regular expression? " + isMatch);

        // Verify and extract a substring matching a regular expression
        System.out.print("Enter a string containing a number: ");
        String str2 = input.nextLine();
        Pattern pattern = Pattern.compile("\\d+");
        Matcher matcher = pattern.matcher(str2);
        if (matcher.find()) {
            System.out.println("Number found: " + matcher.group());
        } else {
            System.out.println("No number found.");
        }

    }
}
```

Outputs:

```java
1  package Java;
2
3  import java.util.Scanner;
4  import java.util.regex.Matcher;
5  import java.util.regex.Pattern;
6
7  public class Regex {
8      public static void main(String[] args) {
9          Scanner input = new Scanner(System.in);
10
11         // Verify if a string matches a regular expression
12         System.out.print("Enter a string to match: ");
13         String str = input.nextLine();
14         boolean isMatch = Pattern.matches("[a-zA-Z]+", str);
15         System.out.println("Does the string match the regular expression? " + isMatch);
16
17         // Verify and extract a substring matching a regular expression
18         System.out.print("Enter a string containing a number: ");
19         String str2 = input.nextLine();
20         Pattern pattern = Pattern.compile("\\d+");
21         Matcher matcher = pattern.matcher(str2);
22         if (matcher.find()) {
23             System.out.println("Number found: " + matcher.group());
24         } else {
25             System.out.println("No number found.");
26         }
27
28     }
29 }
30
```

```
<terminated> Regex [Java Application] C:\Users\Administrator\.p2\pool\plugins'
Enter a string to match: Adams
Does the string match the regular expression? true
Enter a string containing a number: ADAS
No number found.
```

```java
1  package Java;
2
3  import java.util.Scanner;
4  import java.util.regex.Matcher;
5  import java.util.regex.Pattern;
6
7  public class Regex {
8      public static void main(String[] args) {
9          Scanner input = new Scanner(System.in);
10
11         // Verify if a string matches a regular expression
12         System.out.print("Enter a string to match: ");
13         String str = input.nextLine();
14         boolean isMatch = Pattern.matches("[a-zA-Z]+", str);
15         System.out.println("Does the string match the regular expression? " + isMatch);
16
17         // Verify and extract a substring matching a regular expression
18         System.out.print("Enter a string containing a number: ");
19         String str2 = input.nextLine();
20         Pattern pattern = Pattern.compile("\\d+");
21         Matcher matcher = pattern.matcher(str2);
22         if (matcher.find()) {
23             System.out.println("Number found: " + matcher.group());
24         } else {
25             System.out.println("No number found.");
26         }
27
28     }
29 }
```

```
<terminated> Regex [Java Application] C:\Users\Administrator\.p2\pool\plugins\on
Enter a string to match: KingKOng
Does the string match the regular expression? true
Enter a string containing a number: KingKOng78965
Number found: 78965
```

```java
1  package Java;
2
3  import java.util.Scanner;
4  import java.util.regex.Matcher;
5  import java.util.regex.Pattern;
6
7  public class Regex {
8      public static void main(String[] args) {
9          Scanner input = new Scanner(System.in);
0
1          // Verify if a string matches a regular expression
2          System.out.print("Enter a string to match: ");
3          String str = input.nextLine();
4          boolean isMatch = Pattern.matches("[a-zA-Z]+", str);
5          System.out.println("Does the string match the regular expression? " + isMatch);
6
7          // Verify and extract a substring matching a regular expression
8          System.out.print("Enter a string containing a number: ");
9          String str2 = input.nextLine();
0          Pattern pattern = Pattern.compile("\\d+");
1          Matcher matcher = pattern.matcher(str2);
2          if (matcher.find()) {
3              System.out.println("Number found: " + matcher.group());
4          } else {
5              System.out.println("No number found.");
6          }
7
8      }
9  }
0
```

```
<terminated> Regex [Java Application] C:\Users\Administrator\.p2\pool\plugir
Enter a string to match: Ind8745
Does the string match the regular expression? false
Enter a string containing a number: Ind8745
Number found: 8745
```