

1)

```
Main.java × LESGO.java sample.java
1 package application;
2 import java.util.Scanner;
3 import java.util.regex.Pattern;
4 import java.util.regex.Matcher;
5
6 public class Main {
7     public static void main(String[] args) {
8         Scanner scanner = new Scanner(System.in);
9         String regex = "[A-Za-z]+\\s[A-Za-z]";
10        Pattern pattern = Pattern.compile(regex);
11        System.out.print("Enter your full name (first name and surname): ");
12        String input = scanner.nextLine();
13        Matcher matcher = pattern.matcher(input);
14        if (matcher.matches()) {
15            System.out.println("Name accepted.");
16        } else {
17            System.out.println("Incorrect format for name. Please enter your full name as 'FirstName LastName.'");
18        }
19        scanner.close();
20    }
21 }
22
```

```
Enter your full name (first name and surname): Phani K
Name accepted.
```

2)

```
*Main.java × LESGO.java sample.java
1 //k Phani 192311091
2 package application;
3 import java.util.regex.*;
4
5 public class Main {
6     public static void main(String args[]) {
7         String[] codedAnswerLines = {
8             "1", "A", "x", "b", "!", "C", "3", "e", "G", "D", "9", "F", "z", "f"
9         };
10        StringBuilder answers = new StringBuilder();
11        Pattern pattern = Pattern.compile("[a-zA-F]");
12        for (String line : codedAnswerLines) {
13            Matcher matcher = pattern.matcher(line);
14            if (matcher.find()) {
15                answers.append(matcher.group());
16            }
17        }
18        System.out.println(answers.toString());
19    }
20 }
```

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```

3)

```
Main.java x LESGO.java sample.java
1 //k Phani 192311091
2 package application;
3 import java.util.regex.*;
4
5 public class Main {
6     public static void main(String args[]) {
7         String[] codedAnswerLines = {
8             "1", "A", "x", "b", "!", "C", "3", "e", "G", "D", "9", "F", "z", "f"
9         };
10        StringBuilder answers = new StringBuilder();
11        Pattern pattern = Pattern.compile("[a-zA-F]");
12        for (String line : codedAnswerLines) {
13            Matcher matcher = pattern.matcher(line);
14            if (matcher.find()) {
15                answers.append(matcher.group());
16            }
17        }
18        System.out.println(answers.toString());
19    }
20 }
```

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4)

```
Main.java x LESGO.java sample.java
1 //k Phani 192311091
2 package application;
3 import java.util.regex.*;
4
5 public class Main {
6     public static void main(String args[]) {
7         String[] codedAnswerLines = {
8             "1", "A", "x", "b", "!", "C", "3", "e", "G", "D", "9", "F", "z", "f"
9         };
10        StringBuilder answers = new StringBuilder();
11        Pattern pattern = Pattern.compile("[a-zA-F]");
12        for (String line : codedAnswerLines) {
13            Matcher matcher = pattern.matcher(line);
14            if (matcher.find()) {
15                answers.append(matcher.group());
16            }
17        }
18        System.out.println(answers.toString());
19    }
20 }
```

~~terminated~~ main

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