

## Practice 6-3: Summary Level: Write Lambda Expressions

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### Overview

In this practice, write additional lambda expressions for the `StringAnalyzer` application.

### Assumptions

You have reviewed the lambda expressions section of this lesson.

### Summary

Use the `StringAnalyzer` project from the lecture to create 3 additional lambda expressions.

### Tasks

1. Open the `LambdaBasics06-03Prac` project.
  - a. Select `File > Open Project`.
  - b. Browse to `/home/oracle/labs/06-interfaces/practices/practice3`.
  - c. Select `LambdaBasics06-03Prac` and click `Open Project`.
2. Expand the project directories.
3. Open the `LambdaTest.java` file.
4. Write a lambda expression that displays strings that end with the search string.
5. Write a lambda expression that displays strings that contain the search string and are 5 characters or less in length.
6. Write a lambda expression that displays strings that contain the search string and are greater than 5 characters in length.
7. Run the project. The output should be as follows:

```
Searching for: to
==Contains==
Match: tomorrow
Match: toto
Match: to
Match: timbukto
==Starts With==
Match: tomorrow
Match: toto
Match: to
==Equals==
Match: to
==Ends With==
Match: toto
Match: to
Match: timbukto
==Less than 5==
Match: toto
Match: to
==Greater than 5==
Match: tomorrow
Match: timbukto
```

## Practice 6-3: Detailed Level: Write Lambda Expressions

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### Overview

In this practice, write additional lambda expressions for the `StringAnalyzer` application.

### Assumptions

You have reviewed the lambda expressions section of this lesson.

### Summary

Use the `StringAnalyzer` project from the lecture to create three additional lambda expressions.

### Tasks

1. Open the `LambdaBasics06-03Prac` project.
  - a. Select `File > Open Project`.
  - b. Browse to `/home/oracle/labs/06-interfaces/practices/practice3`.
  - c. Select `LambdaBasics06-03Prac` and click `Open Project`.
2. Expand the project directories.
3. Open the `LambdaTest.java` file
4. Write a lambda expression that displays strings that end with the search string.

```
(t,s) -> t.endsWith(s);
```

5. Write a lambda expression that displays strings that contain the search string and are 5 characters or less in length.

```
(t,s) -> t.contains(s) && t.length() < 5;
```

6. Write a lambda expression that displays strings that contain the search string and are greater than five characters in length.

```
(t,s) -> t.contains(s) && t.length() > 5;
```

7. Run the project. The output should be as follows:

```
Searching for: to
==Contains==
Match: tomorrow
Match: toto
Match: to
Match: timbukto
==Starts With==
Match: tomorrow
Match: toto
Match: to
==Equals==
Match: to
==Ends With==
Match: toto
Match: to
Match: timbukto
==Less than 5==
Match: toto
Match: to
==Greater than 5==
Match: tomorrow
Match: timbukto
```