



Practice **Java String Manipulations**



Exercises

- Practice 1: Reverse String
- Practice 2: Shortest Word

PRACTICE

Practice 1: Reverse the String

Ron's teacher has given him the task to reverse a String. Help Ron achieve this task.



Practice 1: Tasks

- Write all the logic for the program inside the `ReverseStringDemo` class provided.
 - Write the logic to reverse the `String` inside the below method and return the reverse `String`.

```
public String getReverseString(String string)
```

- Inside the main method:
 - Create a `String` object.
 - Create an object of the class `ReverseStringDemo`

```
ReverseStringDemo reverseStringDemo = new ReverseStringDemo();
```

- Call the method `getReverseString()` and store the value returned in a `String` variable.

Input and Output

- **Sample Input -**

- `String str = "Programming";`

- **Sample Output -**

- `Reverse String is : gnimmargorP;`

PRACTICE

Practice 2: Shortest Word

John and Steve play a game where John has to identify the shortest String in an array of Strings provided by Steve. Help John achieve this task using Strings.



Practice 2: Tasks

- Write all the logic for the program inside the `ShortestWord` class provided.
 - Write the logic to find the shortest word in the list of Strings from the given array inside the below method and return the shortest word.

```
public String findShortestWord(String[] words)
```

- In the main method
 - Declare and initialize a String array named words.

```
String [] words = {"Java", "Python", "Programming"};
```

- Create an object of the class `ShortestWord` class.

```
ShortestWord shortestWord = new ShortestWord();
```

- Call the method `findShortestWord` and store the value returned in a `String` variable.

Input and Output

- **Sample Input**

- `String words[] = {"Java", "Programming", "Language"};`

- **Sample Output**

- The Shortest word is **Java**