

# Rajalakshmi Engineering College

Name: SIVASURIYAN .

Email: 240701518@rajalakshmi.edu.in

Roll no:

Phone: 7010603376

Branch: REC

Department: CSE - Section 10

Batch: 2028

Degree: B.E - CSE

Scan to verify results



## 2024\_28\_III\_OOPS Using Java Lab

### 2028\_REC\_OOPS using Java\_Week 12\_Q3

Attempt : 1

Total Mark : 10

Marks Obtained : 10

#### Section 1 : Coding

##### 1. Problem Statement

In the mystical realm of programming, there exists a magical incantation to reveal hidden words.

Elara, the skilled enchantress, wishes to summon a word using her spell and then reverse its characters to uncover its enchanted reflection.

Write a program that uses the predefined functional interface Supplier<String> and a lambda expression to:

Supply (generate) a string, and

Display its reversed form.

#### *Input Format*

No input is required from the user.

The string must be supplied internally using a Supplier<String>.

### ***Output Format***

Print the reversed version of the supplied string.

Refer to the sample output for formatting specifications.

### ***Sample Test Case***

Input: Wizard!!

Output: !!draziW

### ***Answer***

```
import java.util.*;
import java.util.function.Supplier;

public class Main {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        String input = sc.nextLine(); // Read the input string

        // Supplier provides the input string
        Supplier<String> supplyString = () -> input;

        // Get and reverse
        String reversed = new StringBuilder(supplyString.get()).reverse().toString();

        // Print reversed output
        System.out.println(reversed);
    }
}
```

**Status : Correct**

**Marks : 10/10**