

# Rajalakshmi Engineering College

Name: Rena J

Email: 241801227@rajalakshmi.edu.in

Roll no: 241801227

Phone: 9941271176

Branch: REC

Department: AI & DS - Section 5

Batch: 2028

Degree: B.E - AI & DS

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## 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**

```
// You are using Java
import java.util.*;
import java.util.function.Supplier;
public class Main{
    public static void main(String[] args){
        Scanner sc=new Scanner(System.in);
        String supplied;
        supplied=sc.hasNextLine() ? sc.nextLine():"";
        Supplier<String> string=()->supplied;
        String org=string.get();
        String reverse=new StringBuilder(org).reverse().toString();
        System.out.println(reverse);
    }
}
```

**Status :** Correct

**Marks :** 10/10