

Rajalakshmi Engineering College

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Branch: REC

Department: CSE - Section 10

Batch: 2028

Degree: B.E - CSE

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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

```
import java.util.*;  
  
interface Reverser {  
    String reverse(String s);  
}  
  
class Main {  
    public static void main(String[] args) {  
        Scanner sc = new Scanner(System.in);  
  
        String input = sc.nextLine(); // user can give ANY string  
  
        // Lambda to reverse the string  
        Reverser rev = (str) -> {  
            return new StringBuilder(str).reverse().toString();  
        };  
  
        System.out.println(rev.reverse(input));  
    }  
}
```

Status : Correct

Marks : 10/10