Rajalakshmi Engineering College

Name: Jesvanth Sabarish V K
Email: 240701214@rajalakshmi.edu.in
Roll no: 240701214
Phone: 9080128264
Branch: REC
Department: CSE - Section 6
Batch: 2028
Degree: B.E - CSE

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

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

import java.util.*;
public class Main {
    public static void main(String[] args) {

        // Supplier that provides the string internally
        Scanner sc = new Scanner(System.in);
        String str1 = sc.nextLine().trim();

        Supplier<String> supplyString = () -> str1;

        String str = supplyString.get();

        String reversed = new StringBuilder(str).reverse().toString();

        System.out.println(reversed);
    }
}
```

Status : Correct   *Marks : 10/10*