Rajalakshmi Engineering College

Name: Dineshraj R
Email: 241501049@rajalakshmi.edu.in
Roll no: 241501049
Phone: 9363708090
Branch: REC
Department: AI & ML - Section 1
Batch: 2028
Degree: B.E - AI & ML

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.Scanner;
import java.util.function.Supplier;
class Main {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        String input = sc.nextLine();
        Supplier<String> wordSupplier = () -> input;
        String word = wordSupplier.get();
        String reversed = new StringBuilder(word).reverse().toString();
        System.out.println(reversed);
        sc.close();
    }
}
```

Status : Correct   *Marks : 10/10*