Rajalakshmi Engineering College

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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

```java
// You are using Java
import java.util.*;
import java.util.function.Supplier;
public class Main {
    public static void main(String[] args) {
        Supplier<String> wordSupplier = () -> {
            Scanner sc = new Scanner(System.in);
            if (sc.hasNextLine()) {
                return sc.nextLine();
            } else {
                return "";
            }
        };
        String word = wordSupplier.get();
        Supplier<String> reverseSupplier = () -> new
StringBuilder(word).reverse().toString();
        System.out.print(reverseSupplier.get());
    }
}
```

Status : Correct   ***Marks : 10/10***