

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

```
// You are using Java
import java.util.*;
interface rev
```

```
{
```

```
    String lam(String s);
```

```
}
```

```
class pr
```

```
{
```

```
    public static void main(String[] args)
```

```
{
```

```
        Scanner sc = new Scanner(System.in);
```

```
        String s1 = sc.nextLine();
```

```
        rev fun = (s) ->
```

```
{
```

```
String s2 = "";  
for(int i=s1.length()-1; i>=0; i--)
```

```
{
```

```
    s2 += s1.charAt(i);
```

```
}
```

```
    return s2;
```

```
};
```

```
    System.out.print(fun.lam(s1));
```

```
}
```

```
}
```

Status : Correct

Marks : 10/10