

# Rajalakshmi Engineering College

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Branch: REC

Department: AI & ML - Section 1

Batch: 2028

Degree: B.E - AI & ML

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## 2024\_28\_III\_OOPS Using Java Lab

### 2028\_REC\_OOPS using Java\_Week 1\_Q3

Attempt : 1

Total Mark : 10

Marks Obtained : 10

#### **Section 1 : Coding**

##### **1. Problem statement**

Manoj, a developer at MoneyMatters Inc., is working on improving the company's financial system. He needs to create a program that takes an integer input, converts it into a double, and displays both the original integer and the converted double value.

##### ***Input Format***

The input consists of a single integer representing a monetary amount.

##### ***Output Format***

The first line of the output displays the "Original Integer: ", followed by an integer representation of the input value.

The second line displays the "Converted Double: ", followed by a double value representing the input as a decimal value.

Refer to the sample output for the formatting specifications.

### ***Sample Test Case***

Input: 20

Output: Original Integer: 20

Converted Double: 20.0

### ***Answer***

```
import java.util.Scanner;

public class Main {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);

        // Read the integer input
        int number = sc.nextInt();

        // Convert integer to double
        double convertedDouble = (double) number;

        // Print outputs
        System.out.println("Original Integer: " + number);
        System.out.println("Converted Double: " + convertedDouble);
    }
}
```

**Status : Correct**

**Marks : 10/10**