

Rajalakshmi Engineering College

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Scan to verify results



2024_28_III_OOPS Using Java Lab

2028_REC_OOPS using Java_Week 10_Q2

Attempt : 1
Total Mark : 10
Marks Obtained : 10

Section 1 : COD

1. Problem Statement

John is organizing a fruit festival, and the quantities of various fruits are stored in a HashMap where fruit names are keys and quantities are values.

Help him develop a program to find the total quantity of fruits for the festival by summing up the values in the HashMap.

Input Format

The input consists of fruit quantities in the format 'fruitName:quantity', where fruitName is the name of the fruit(a string), and quantity is a double value representing the quantity.

The input is terminated by entering "done".

Output Format

If any special characters other than ':' are entered, print "Invalid format".

Sample Test Case

Output: 118.80

```
import java.util.Scanner;
```

```
double totalQuantity = 0.0;
```

}

```
String fruitName = parts[0].trim();
```

```

String quantityStr = parts[1].trim();

try {
    double quantity = Double.parseDouble(quantityStr);
    if (quantity < 1.0 || quantity > 100.0) {
        System.out.println("Invalid input");
        return;
    }
    fruitQuantities.put(fruitName, quantity);
    totalQuantity += quantity;
} catch (NumberFormatException e) {
    System.out.println("Invalid input");
    return;
}
} else {
    System.out.println("Invalid format");
    return;
}
} else {
    System.out.println("Invalid format");
    return;
}
}

System.out.printf("%.2f\n", totalQuantity);
scanner.close();
}
}

```

Status : Correct

Marks : 10/10