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Solved UNIT 3 programming

Programming 1 (University of the People)

Quick Access

icecreamsale.java × | TextIO.java | icecream.dat

```java
1  package icecream;
2
3  public class icecreamsale {
4
5    public static void main(String[] args) {
6  // First open the file in a try catch block to avoid errors.
7
8       try {
9            TextIO.readFile("icecream.dat"); //read the file
10       } //END of try
11
12       catch (IllegalArgumentException e) {
13           System.out.println("Can't open file \"icecream.dat\" !"); //message to the user
14           System.exit(1);  // Exit the program.
15
16    } // END of catch
17
18       // Initialising variables.
19
20       int totalIceCreamSales = 0;
21       int strawberryIceCreamSales = 0;
22
23       // A while loop to search the file until there are no more lines.
24       while (!TextIO.eof()) {
25           String readLines = TextIO.getln();  //create a new string variable holding all the lines in the file - one by one.
```

```java
19
20       int totalIceCreamSales = 0;
21       int strawberryIceCreamSales = 0;
22
23       // A while loop to search the file until there are no more lines.
24       while (!TextIO.eof()) {
25           String readLines = TextIO.getln();  //create a new string variable holding all the lines in the file - one by one.
26           totalIceCreamSales++; // Increase this variable by one in every iteration of the while loop.
27
28           if (readLines.equals("Strawberry")) { //if the line is strawberry, run this.
29               strawberryIceCreamSales++; // count the number of strawberry cones.
30           } //END of if
31       } //END of while
32
33       System.out.println("Icecream cone sales : " + totalIceCreamSales);
34       System.out.println("Strawberry icecream sales : " + strawberryIceCreamSales);
35       System.out.println("Strawberry icecream is " + ((double) strawberryIceCreamSales/totalIceCreamSales*100) + "%%" + " of total s
36    }
37
38 }
39
```

Problems ■ Console × • Debug

\<terminated> icecreamsale [Java Application] C:\Program Files\Java\jdk1.8.0_172\bin\javaw.exe (Feb 15, 2019, 4:54:08 AM)
```
Icecream cone sales : 374
Strawberry icecream sales : 48
Strawberry icecream is 12.834224598930483%% of total sales
```

Writable | Smart Insert | 28 : 4

Output

Icecream cone sales : 374

Strawberry icecream sales : 48

Strawberry icecream is 12.834224598930483%% of total sales