

TASK PERFORMANCE 2 – HANDS ON ACTIVITY

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FRUIT BASKET

SYNTAX:

JAVA LANGUAGE:

```
C: > Users > Gie > OneDrive > Documents > VScode > FruiBasket.java > FruiBasket > main(String[])
1  import java.util.Scanner;
2  import java.util.Stack;
3
4  public class FruiBasket {
5      Run | Debug
6      public static void main(String[] args) {
7          Scanner as = new Scanner(System.in);
8          Stack <String> basket = new Stack <String>();
9
10         System.out.println("Catch and eat any of those fruits: ('Appale', 'Orange', 'Mango', 'Guava')");
11         System.out.print("How many fruit would you like to catch? ");
12         int cfruits = as.nextInt();
13         System.out.println("Choos a fruit to catch. Press A, O, M, or G.");
14
15         for (int i = 1; i <= cfruits; i++) {
16             System.out.print("Fruit " + i + " of " + cfruits + ": ");
17             as = new Scanner(System.in);
18             String fruit = as.nextLine();
19             if(fruit.equalsIgnoreCase("A")) {
20                 basket.push("'apple'");
21             }
22             else if(fruit.equalsIgnoreCase("O")) {
23                 basket.push("'orange'");
24             }
25             else if(fruit.equalsIgnoreCase("M")) {
26                 basket.push("'mango'");
27             }
28             else if(fruit.equalsIgnoreCase("G")) {
29                 basket.push("'guave'");
```

```
C: > Users > Gie > OneDrive > Documents > VScode > FruiBasket.java > ...
30         }
31         System.out.println("INVALID INPUT");
32     }
33
34 }
35
36 System.out.println("Your basket has now: " + basket);
37 while (true){
38     System.out.println("Press E to eat a fruit.");
39     String kain = as.nextLine();
40
41     if(kain.equalsIgnoreCase("E")) {
42         basket.pop();
43         if(! basket.isEmpty()){
44             System.out.println("Fruit(s) in the basket " + basket);
45         }
46         else if(basket.isEmpty()){
47             System.out.println("No more fruits.");
48             break;
49         }
50     }
51     else{
52         System.out.println("INVALID INPUT");
53     }
54 }
55 }
```

OUTPUT:

```
PS C:\Users\Gie> & 'C:\Program Files\Microsoft\jdk-11.0.12.7-hotspot\bin\java.exe' '-cp' 'C:\Users\Gie\AppData\Local\Temp\vscodesws_7c46d\jdt_ws\jdt.ls-java-proj\bin' 'FruitBasket'
Catch and eat any of those fruits: ('Appale', 'Orange', 'Mango', 'Guava')
How many fruit would you like to catch? 4
Choos a fruit to catch. Press A, O, M, or G.
Fruit 1 of 4: a
Fruit 2 of 4: o
Fruit 3 of 4: M
Fruit 4 of 4: G
Your basket has now: ['apple', 'orange', 'mango', 'guave']
Press E to eat a fruit.
E
Fruit(s) in the basket ['apple', 'orange', 'mango']
Press E to eat a fruit.
e
Fruit(s) in the basket ['apple', 'orange']
Press E to eat a fruit.
E
Fruit(s) in the basket ['apple']
Press E to eat a fruit.
e
No more fruits.
PS C:\Users\Gie> █
```

PYTHON LANGUAGE:

```
C:\Users\Gie> OneDrive\Documents\VScode> fruit_basket.py > ...
1 Basket = []
2 print("Catch and eat any of those fruits: ('Appale', 'Orange', 'Mango', 'Guava')")
3 fruits = input("How many fruit would you like to catch? ")
4 print("Choos a fruit to catch. Press A, O, M, or G.")
5 fruits = int(fruits)
6
7 for i in range(fruits):
8     fruits = input("Fruit " + str(i+1) + " of " + str(fruits) + ": ")
9     if fruits.upper() == "A":
10         Basket.append("apple")
11     elif fruits.upper() == "O":
12         Basket.append("orange")
13     elif fruits.upper() == "M":
14         Basket.append("mango")
15     elif fruits.upper() == "G":
16         Basket.append("guava")
17     else:
18         print("INVALID INPUT")
19 print("Your basket now has: " + str(Basket))
20
21 while len(Basket) > 0:
22     eat = input("Press E to eat a fruit: ")
23     if eat.upper() == "E":
24         Basket.pop()
25         if Basket:
26             print("Fruit(s) in the basket " + str(Basket))
27     else:
28         print("No more fruit.")
```

OUTPUT:

```
PS C:\Users\Gie> & "C:/Program Files (x86)/Microsoft Visual Studio/Shared/Python39_64/python.exe" c:/Users/Gie/OneDrive/Documents/VScode/fruit_basket.py
Catch and eat any of those fruits: ('Appale', 'Orange', 'Mango', 'Guava')
How many fruit would you like to catch? 4
Choos a fruit to catch. Press A, O, M, or G.
Fruit 1 of 4: A
Fruit 2 of A: c
INVALID INPUT
Fruit 3 of c: O
Fruit 4 of O: m
Your basket now has: ['apple', 'orange', 'mango']
Press E to eat a fruit: E
Fruit(s) in the basket ['apple', 'orange']
Press E to eat a fruit: E
Fruit(s) in the basket ['apple']
Press E to eat a fruit: E
No more fruit.
PS C:\Users\Gie> █
```