

Questions on Task 2

Your name: _____

Questions

- Time when starting to read this question: _____ h _____ m _____ s

[Function] Describe in your own words the functionality implemented in the if-else statement.

Time when finished answering this question: _____ h _____ m _____ s
- Time when starting to read this question: _____ h _____ m _____ s

[Control Flow] Write a pseudo code summary of how the execute method performs its core functionality. Do not simply refer to syntactical operations, but describe specific semantics.

Use the following pseudo code convention:

```

Write shoppingList
Drive to shoppingMarket
Take shoppingCart
ForEach item in shoppingList
  If itemInReduction
    Add 2 of item to shoppingCart
  ElseIf itemNotSoldOut
    Add 1 of item to shoppingCart
mark item as bought
pay the items
...

```

Time when finished answering this question: _____ h _____ m _____ s
- Time when starting to read this question: _____ h _____ m _____ s

[Operations] Describe the need for the final variable "ok", which is declared at the beginning of the execute method.

Time when finished answering this question: _____ h _____ m _____ s
- Time when starting to read this question: _____ h _____ m _____ s

[Data Flow] Describe briefly when the variable "indexedFileNames" is updated.

Time when finished answering this question: _____ h _____ m _____ s
- Time when starting to read this question: _____ h _____ m _____ s

[State] The condition of the if-else statement is "if (max == 0)". Describe briefly the value of variable max when it is evaluated in this condition.

Time when finished answering this question: _____ h _____ m _____ s

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6. Time when starting to read this question: _____ h _____ m _____ s
 [Function] Describe in your own words the functionality implemented in the if-else statement.
 Time when finished answering this question: _____ h _____ m _____ s
7. Time when starting to read this question: _____ h _____ m _____ s
 [Control Flow] Write a pseudo code summary of how the execute method performs its core functionality. Do not simply refer to syntactical operations, but describe specific semantics.
 Use the following pseudo code convention:
- ```

Write shoppingList
Drive to shoppingMarket
Take shoppingCart
ForEach item in shoppingList
 If itemInReduction
 Add 2 of item to shoppingCart
 ElseIf itemNotSoldOut
 Add 1 of item to shoppingCart
mark item as bought
pay the items
...

```
- Time when finished answering this question: \_\_\_\_\_ h \_\_\_\_\_ m \_\_\_\_\_ s
8. Time when starting to read this question: \_\_\_\_\_ h \_\_\_\_\_ m \_\_\_\_\_ s  
 [Operations] Describe the need for the final variable "ok", which is declared at the beginning of the execute method.  
 Time when finished answering this question: \_\_\_\_\_ h \_\_\_\_\_ m \_\_\_\_\_ s
9. Time when starting to read this question: \_\_\_\_\_ h \_\_\_\_\_ m \_\_\_\_\_ s  
 [Data Flow] Describe briefly when the variable "indexedFileNames" is updated.  
 Time when finished answering this question: \_\_\_\_\_ h \_\_\_\_\_ m \_\_\_\_\_ s
10. Time when starting to read this question: \_\_\_\_\_ h \_\_\_\_\_ m \_\_\_\_\_ s  
 [State] The condition of the if-else statement is "if (max == 0)". Describe briefly the value of variable max when it is evaluated in this condition.  
 Time when finished answering this question: \_\_\_\_\_ h \_\_\_\_\_ m \_\_\_\_\_ s