

DCI1013: PROBLEM SOLVING

Quiz 2

10 minutes

10 marks (2.5%)

by

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Question 1

Algorithm to calculate the discount price based on the price of an item.

(10 marks)

1. **calcDiscountPrice()**
2. Input price
3. IF price > 250 THEN
4. discount = price * 25 / 100
5. Display “You get 25% discount”
6. ELSEIF price >= 150 THEN
7. discount = price * 10 / 100
8. Display “You get 10% discount”
9. ELSE
10. discount = price * 5 / 100
11. Display “You get 5% discount”
12. ENDIF
13. discountPrice = price – discount
14. Display discountPrice
15. END

Based on the algorithm above, produce a Desk Check for the following input sets:

Data set: **price = 300**

Correct result: **discount = RM75 , discountPrice = RM225, You get 25% discount**



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