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1. I need a program that accepts the customer type and purchase subtotal as an input. The program then needs to apply the discount based on the conditions and calculate the total price. The program needs to output the customer type, subtotal, discount percent, discount amount, and total price.

2. Input: customer type and subtotal

Output: customer type, subtotal, discount percent, discount amount, and total price

Formulas: For customer type “N”

1. If subtotal < 100 then discount = 10%
2. If subtotal >= 100 but < 250 then discount = 15%
3. If subtotal >= 250 then discount = 25%

For customer type “V”

1. If subtotal < 250 then discount = 20%
2. Else discount = 30%

For all other customers

1. Discount = 5%

Possible solutions:

Type N V Other

Subtotal 100 200 50

Discount % 15% 20% 5%

Discount 15 40 2.50

Total 85 160 47.50

Algorithm:

Write “Enter customer type”

Read customer type

Write “Enter subtotal”

Read subtotal

If customer type is “N” then

If subtotal < 100 then

Discount = 10%

End If

Else

If subtotal >= 100 and < 250 then

Discount = 15%

End If

Else

Discount = 15%

End If

End If

If customer type is “V” then

If subtotal < 250 then

Discount = 20%

End If

Else

Discount = 30%

End If

Else

Discount = 5%

Write customer type, subtotal, discount percent, discount amount, and total amount



