1 **(a) Data structure**: Array
Name: Item Code
Data Type: String
Usage: To store the item codes for each indexed item.

Data structure: Array
Name: Description
Data Type: String
Usage: To store the descriptions for each item.

Data structure: Array
Name: Price
Data Type: Real
Usage: To store the price for each indexed item.

[4]

(b) The following is an example solution. There can be many other correct solutions to this question.

Variable name: moreChoice
Data type: Boolean
Use: To flag whether another option is to be selected.

[3]

(c)

- A counter kept incrementing every time an item is chosen
- If the counter value is 1, apply a 5% discount to the final price.
- E.g.
```
IF itemCount = 1 THEN
        finalPrice = finalPrice - (0.05 * finalPrice)
ENDIF
```
- If the counter value is 2 or more, apply a 10% discount to the final price.
- E.g.
```
IF itemCount >= 2 THEN
        finalPrice = finalPrice - (0.1 * finalPrice)
ENDIF
```

[3]

(d) The following is an example solution. There are other possible solutions.

Pseudocode:

```
OUTPUT "Item code  "
OUTPUT "Item description                "
OUTPUT "Item price  "
OUTPUT "Category"
OUTPUT "-----------------------------------------------------------------"

FOR x = 1 TO 8
   OUTPUT ItemCode[x] + Space(9)
   OUTPUT ItemDescription[x] + Space(40 - LEN(ItemDescription[x]))
   myPrice = Price[x]
   OUTPUT myPrice + Space(12 - LEN(myPrice))
   OUTPUT Category[x]
NEXT

OUTPUT "New sale initiated - Default basic set of components costing $200 is added."
OUTPUT "One case, one RAM AND one Main Hard Disk Drive is required TO be added."

WHILE ItemID <> "A1" AND ItemID <> "A2"
   OUTPUT "Chose a Case Item Code: "
   INPUT ItemID

   IF ItemID <> "A1" OR ItemID <> "A2" THEN
      OUTPUT "Chose either A1 OR A2."
   END IF
END WHILE

IF ItemID = "A1" THEN
   newSaleItem[1] = ItemDescription[1]
   newSaleItemPrice[1] = Price[1]
END IF

IF ItemID = "A2" THEN
   newSaleItem[1] = ItemDescription[2]
   newSaleItemPrice[1] = Price[2]
END IF

OUTPUT "Item code  "
OUTPUT "Item description                "
OUTPUT "Item price  "
OUTPUT "Category"
OUTPUT "-----------------------------------------------------------------"
```

```
FOR x = 1 TO 8
   OUTPUT ItemCode[x] + Space(9)
   OUTPUT ItemDescription[x] + Space(40 - LEN(ItemDescription[x]))
   myPrice = Price[x]
   OUTPUT myPrice + Space(12 - LEN(myPrice))
   OUTPUT Category[x]
NEXT

WHILE ItemID <> "B1" AND ItemID <> "B2" AND ItemID <> "B3"
   OUTPUT "Chose a RAM Item Code: "
   INPUT ItemID

   IF ItemID <> "B1" OR ItemID <> "B2" OR ItemID <> "B3" THEN
      OUTPUT "Chose either B1, B2 OR B3."
   END IF
END WHILE



IF ItemID = "B1" THEN
   newSaleItem[2] = ItemDescription[3]
   newSaleItemPrice[2] = Price[3]
END IF

IF ItemID = "B2" THEN
   newSaleItem[2] = ItemDescription[4]
   newSaleItemPrice[2] = Price[4]
END IF

IF ItemID = "B3" THEN
   newSaleItem[2] = ItemDescription[4]
   newSaleItemPrice[2] = Price[4]
END IF


OUTPUT "Item code  "
OUTPUT "Item description                  "
OUTPUT "Item price  "
OUTPUT "Category"
OUTPUT "-----------------------------------------------------------------"

FOR x = 1 TO 8
   OUTPUT ItemCode[x] + Space(9)
   OUTPUT ItemDescription[x] + Space(40 - LEN(ItemDescription[x]))
   myPrice = Price[x]
   OUTPUT myPrice + Space(12 - LEN(myPrice))
```

```
    OUTPUT Category[x]
NEXT



WHILE ItemID <> "C1" AND ItemID <> "C2" AND ItemID <> "C3"
    OUTPUT "Chose a Main Hard Disk Drive Item Code: "
    INPUT ItemID

    IF ItemID <> "C1" OR ItemID <> "C2" OR ItemID <> "C3" THEN
        OUTPUT "Chose either C1, C2 OR C3."
    END IF
END WHILE

IF ItemID = "C1" THEN
    newSaleItem[3] = ItemDescription[6]
    newSaleItemPrice[3] = Price[6]
END IF

IF ItemID = "C2" THEN
    newSaleItem[3] = ItemDescription[7]
    newSaleItemPrice[3] = Price[7]
END IF

IF ItemID = "C3" THEN
    newSaleItem[3] = ItemDescription[8]
    newSaleItemPrice[3] = Price[8]
END IF

itemCount = 3

ComputerPrice = 200

OUTPUT "Item code  "
OUTPUT "Item description                    "
OUTPUT "Item price  "
OUTPUT "Category"
OUTPUT "-----------------------------------------------------------------"

FOR x = 1 TO 8
    OUTPUT ItemCode[x] + Space(9)
    OUTPUT ItemDescription[x] + Space(40 - LEN(ItemDescription[x]))
    myPrice = Price[x]
    OUTPUT myPrice + Space(12 - LEN(myPrice))
    OUTPUT Category[x]
NEXT
```

```
OUTPUT "Basic set of components" + Space(17)

myPrice = 200

OUTPUT myPrice


OUTPUT "-----------------------------------------------------------------"

OUTPUT "Total price of the computer: " + ComputerPrice
```

Programming Language: VB

```
        Console.Write("Item code  ")

        Console.Write("Item description                          ")
        Console.Write("Item price  ")
        Console.WriteLine("Category")
        Console.WriteLine(StrDup(95, "-"))
        For x = 1 To 8
            Console.Write(ItemCode(x) + Space(9))
            Console.Write(ItemDescription(x) & Space(40 - Len(ItemDescription(x))))
            myPrice = Format(Price(x), "##########.00")
            Console.Write(myPrice & Space(12 - Len(myPrice)))
            Console.WriteLine(Category(x))
        Next


        Console.WriteLine("New sale initiated - Default basic set of components costing $200 is
added.")
        Console.WriteLine("One case, one RAM and one Main Hard Disk Drive is required to be
added.")


        Console.Write("Item code  ")
        Console.Write("Item description                          ")
        Console.Write("Item price  ")
        Console.WriteLine("Category")
        Console.WriteLine(StrDup(95, "-"))
        For x = 1 To 2
            Console.Write(ItemCode(x) + Space(9))
            Console.Write(ItemDescription(x) & Space(40 - Len(ItemDescription(x))))
```

```
    myPrice = Format(Price(x), "##########.00")
    Console.Write(myPrice & Space(12 - Len(myPrice)))
    Console.WriteLine(Category(x))
Next
While ItemID <> "A1" And ItemID <> "A2"
    Console.Write("Chose a Case Item Code: ")
    ItemID = Console.ReadLine


    If ItemID <> "A1" Or ItemID <> "A2" Then
        Console.WriteLine("Chose either A1 or A2.")
    End If
End While


If ItemID = "A1" Then
    newSaleItem(1) = ItemDescription(1)
    newSaleItemPrice(1) = Price(1)
End If


If ItemID = "A2" Then
    newSaleItem(1) = ItemDescription(2)
    newSaleItemPrice(1) = Price(2)
End If


Console.Write("Item code  ")
Console.Write("Item description                          ")
Console.Write("Item price  ")
Console.WriteLine("Category")
Console.WriteLine(StrDup(95, "-"))
For x = 3 To 5
    Console.Write(ItemCode(x) + Space(9))
    Console.Write(ItemDescription(x) & Space(40 - Len(ItemDescription(x))))
    myPrice = Format(Price(x), "##########.00")
    Console.Write(myPrice & Space(12 - Len(myPrice)))
    Console.WriteLine(Category(x))
Next
While ItemID <> "B1" And ItemID <> "B2" And ItemID <> "B3"
    Console.Write("Chose a RAM Item Code: ")
```

```
    ItemID = Console.ReadLine


    If ItemID <> "B1" Or ItemID <> "B2" Or ItemID <> "B3" Then
        Console.WriteLine("Chose either B1, B2 or B3.")
    End If
End While


If ItemID = "B1" Then
    newSaleItem(2) = ItemDescription(3)
    newSaleItemPrice(2) = Price(3)
End If


If ItemID = "B2" Then
    newSaleItem(2) = ItemDescription(4)
    newSaleItemPrice(2) = Price(4)
End If


If ItemID = "B3" Then
    newSaleItem(2) = ItemDescription(4)
    newSaleItemPrice(2) = Price(5)
End If



Console.Write("Item code  ")
Console.Write("Item description                          ")
Console.Write("Item price  ")
Console.WriteLine("Category")
Console.WriteLine(StrDup(95, "-"))
For x = 6 To 8
    Console.Write(ItemCode(x) + Space(9))
    Console.Write(ItemDescription(x) & Space(40 - Len(ItemDescription(x))))
    myPrice = Format(Price(x), "##########.00")
    Console.Write(myPrice & Space(12 - Len(myPrice)))
    Console.WriteLine(Category(x))
Next
```

```
While ItemID <> "C1" And ItemID <> "C2" And ItemID <> "C3"
    Console.Write("Chose a Main Hard Disk Drive Item Code: ")
    ItemID = Console.ReadLine


    If ItemID <> "C1" Or ItemID <> "C2" Or ItemID <> "C3" Then
        Console.WriteLine("Chose either C1, C2 or C3.")
    End If
End While


If ItemID = "C1" Then
    newSaleItem(3) = ItemDescription(6)
    newSaleItemPrice(3) = Price(6)
End If


If ItemID = "C2" Then
    newSaleItem(3) = ItemDescription(7)
    newSaleItemPrice(3) = Price(7)
End If


If ItemID = "C3" Then
    newSaleItem(3) = ItemDescription(8)
    newSaleItemPrice(3) = Price(8)
End If
itemCount = 3


Console.Clear()
ComputerPrice = 200
Console.WriteLine("Computer Invoice")
Console.Write("Item description                          ")
Console.WriteLine("Item price  ")
Console.WriteLine(StrDup(50, "-"))


For x = 1 To 3
    Console.Write(newSaleItem(x) & Space(40 - Len(newSaleItem(x))))
    myPrice = Format(newSaleItemPrice(x), "##########.00")
```

```
            Console.WriteLine(myPrice)
            ComputerPrice = ComputerPrice + newSaleItemPrice(x)
        Next
        Console.Write("Basic set of components" & Space(17))
        myPrice = Format(200, "##########.00")
        Console.WriteLine(myPrice)


        Console.WriteLine(StrDup(50, "-"))
        Console.WriteLine("Total price of the computer: " & ComputerPrice)
        Console.ReadKey()
```

Programming Language: Python

```
    print("Item code    Item Description                          Item price   Category")


    print("-" * 95)
    for i in range(8):
        print(itemCode[i] + " " * 9 + itemDescription[i] + " " * (43 - len(itemDescription[i]))
+ "{}".format(price[i])
            + " " * (14 - len(str(price[i]))) + category[i])


    print("")
    print("")
    print("New sale initiated - Default basic set of components costing $200 is added.")
    print("One case, one RAM and one Main Hard Disk Drive is required to be added.")
    print("")
    print("")
    print("Item code    Item Description                          Item price   Category")
    print("-" * 95)
    for i in range(2):
        print(itemCode[i] + " " * 9 + itemDescription[i] + " " * (43 - len(itemDescription[i]))
+ "{}".format(price[i])
            + " " * (14 - len(str(price[i]))) + category[i])


    itemID = ""
```

```
    while itemID != "A1" and itemID != "A2":
        print("")
        itemID = input("Choose a Case Item Code: ")
        if itemID != "A1" and itemID != "A2":
            print("Choose either A1 or A2")


    if itemID == "A1":
        newSaleItem[0] = itemDescription[0]
        newSaleItemPrice[0] = price[0]
    elif itemID == "A2":
        newSaleItem[0] = itemDescription[1]
        newSaleItemPrice[0] = itemDescription[1]


    print("")
    print("")
    print("Item code    Item Description                          Item price  Category")
    print("-" * 95)
    for i in range(2, 5):
        print(itemCode[i] + " " * 9 + itemDescription[i] + " " * (43 - len(itemDescription[i]))
+ "{}".format(price[i])
              + " " * (14 - len(str(price[i]))) + category[i])


    while itemID != "B1" and itemID != "B2" and itemID != "B3":
        itemID = input("Choose a RAM Item Code: ")


        if itemID != "B1" and itemID != "B2" and itemID != "B3":
            print("Choose either B1, B2 or B3")


    if itemID == "B1":
        newSaleItem[1] = itemDescription[2]
        newSaleItemPrice[1] = price[2]
    elif itemID == "B2":
        newSaleItem[1] = itemDescription[3]
        newSaleItemPrice[1] = price[3]
    elif itemID == "B3":
        newSaleItem[1] = itemDescription[4]
```

```
            newSaleItemPrice[1] = price[4]


        print("")
        print("")
        print("Item code    Item Description                          Item price   Category")
        print("-" * 95)
        for i in range(5, 8):
            print(itemCode[i] + " " * 9 + itemDescription[i] + " " * (43 - len(itemDescription[i]))
    + "{}".format(price[i])
                  + " " * (14 - len(str(price[i]))) + category[i])


        while itemID != "C1" and itemID != "C2" and itemID != "C3":
            itemID = input("Chose a Main Hard Disk Drive Item Code: ")


            if itemID != "C1" and itemID != "C2" and itemID != "C3":
                print("Choose either C1, C2 or C3")


        if itemID == "C1":
            newSaleItem[2] = itemDescription[5]
            newSaleItemPrice[2] = price[5]
        elif itemID == "C2":
            newSaleItem[2] = itemDescription[6]
            newSaleItemPrice[2] = price[6]
        elif itemID == "C3":
            newSaleItem[2] = itemDescription[7]
            newSaleItemPrice[2] = price[7]


        itemCount = 3


        computerPrice = 200
        print("")
        print("Computer Invoice")
        print("")
        print("Item Description                          Item price")
        print("-" * 50)
```

```
for i in range(3):
    print(newSaleItem[i] + " " * (42 - len(newSaleItem[i])) + str(newSaleItemPrice[i]))
    computerPrice = computerPrice + newSaleItemPrice[i]


print("")
print("Total price of the computer: " + str(computerPrice))
```

[5]

(e) The following is an example solution. There are other possible solutions.

Pseudocode:

```
OUTPUT "Item code  "
OUTPUT "Item description                "
OUTPUT "Item price  "
OUTPUT "Category"
OUTPUT "-----------------------------------------------------------------"

FOR x = 9 TO 17
   OUTPUT ItemCode[x] + Space(9)
   OUTPUT ItemDescription[x] + Space(40 - LEN(ItemDescription[x]))
   myPrice = Price[x]
   OUTPUT myPrice + Space(12 - LEN(myPrice))
   OUTPUT Category[x]
NEXT

myOption = ""

WHILE UPPER(myOption) <> "N"
   OUTPUT "Do you want TO buy additional components? (Y/N)... "
   INPUT myOption

   IF UPPER(myOption) = "Y" THEN
      ItemID = ""

      WHILE Not (ItemID = "D1" OR ItemID = "D2" OR ItemID = "E1" OR _
      ItemID = "E2" OR ItemID = "E3" OR ItemID = "F1" OR _
      ItemID = "F2" OR ItemID = "G1" OR ItemID = "G2"
```

```
      OUTPUT "Chose an additonal Item Code: "
      INPUT ItemID


      IF Not (ItemID = "D1" OR ItemID = "D2" OR ItemID = "E1" OR _
      ItemID = "E2" OR ItemID = "E3" OR ItemID = "F1" OR _
      ItemID = "F2" OR ItemID = "G1" OR ItemID = "G2" THEN
        OUTPUT "Chose either D1, D2, E1, E2, E3, F1, F2, G1 OR G2."
      END IF
    END WHILE

    itemCount = itemCount + 1

    CASE OF ItemID
      "D1":
        newSaleItemPrice[itemCount) = Price[9)
        newSaleItem(itemCount) = ItemDescription[9)
      "D2":
        newSaleItemPrice[itemCount) = Price[10)
        newSaleItem(itemCount) = ItemDescription[10)
      "E1":
        newSaleItemPrice[itemCount) = Price[11)
        newSaleItem(itemCount) = ItemDescription[11)
      "E2":
        newSaleItemPrice[itemCount) = Price[12)
        newSaleItem(itemCount) = ItemDescription[12)
      "E3":
        newSaleItemPrice[itemCount) = Price[13)
        newSaleItem(itemCount) = ItemDescription[13)
      "F1":
        newSaleItemPrice[itemCount) = Price[14)
        newSaleItem(itemCount) = ItemDescription[14)
      "F2":
        newSaleItemPrice[itemCount) = Price[15)
        newSaleItem(itemCount) = ItemDescription[15)
      "G1":
        newSaleItemPrice[itemCount) = Price[16)
        newSaleItem(itemCount) = ItemDescription[16)
      "G2":
        newSaleItemPrice[itemCount) = Price[17)
        newSaleItem(itemCount) = ItemDescription[17)
    END CASE
  END IF
END WHILE
```

```
ComputerPrice = 200
OUTPUT "Computer Invoice"
OUTPUT "Item description                    "
OUTPUT "Item price  "

OUTPUT "-----------------------------------------------------------------"

FOR x = 1 TO 7
   IF newSaleItem[x] <> "" THEN
      OUTPUT newSaleItem[x] + Space(40 - LEN(newSaleItem[x]))
      myPrice = newSaleItemPrice[x]
      OUTPUT myPrice
      ComputerPrice = ComputerPrice + newSaleItemPrice[x]
   END IF
NEXT

OUTPUT "Basic set of components" + Space(17)
myPrice = 200
OUTPUT myPrice

OUTPUT "-----------------------------------------------------------------"

OUTPUT "Total price of the computer: " + ComputerPrice
```

Programming Language: VB

```
    itemCount = 0

    print("")
    print("")
    print("Item code    Item Description                          Item price   Category")
    print("-" * 95)
    for i in range(8, 17):
        print(itemCode[i] + " " * 9 + itemDescription[i] + " " * (43 - len(itemDescription[i])) +
"{}".format(price[i])
              + " " * (14 - len(str(price[i]))) + category[i])


    myOption = ""
    while myOption.upper() != "N":
        myOption = input("Would you like to buy additional components? (Y/N): ")
```

```
if myOption.upper() == "Y":
    ItemID = ""
    while not (ItemID == "D1" or ItemID == "D2" or ItemID == "E1" or
        ItemID == "E2" or ItemID == "E3" or ItemID == "F1" or
        ItemID == "F2" or ItemID == "G1" or ItemID == "G2"):
        ItemID = input("Choose an additional Item Code: ")


        if not (ItemID == "D1" or ItemID == "D2" or ItemID == "E1" or
        ItemID == "E2" or ItemID == "E3" or ItemID == "F1" or
        ItemID == "F2" or ItemID == "G1" or ItemID == "G2"):
            print("Choose either D1, D2, E1, E2, E3, F1, F2, G1 or G2.")


    itemCount = itemCount + 1


    if ItemID == "D1":
        newSaleItemPrice[itemCount - 1] = price[8]
        newSaleItem[itemCount - 1] = itemDescription[8]
    elif ItemID == "D2":
        newSaleItemPrice[itemCount - 1] = price[9]
        newSaleItem[itemCount - 1] = itemDescription[9]
    elif ItemID == "E1":
        newSaleItemPrice[itemCount - 1] = price[10]
        newSaleItem[itemCount - 1] = itemDescription[10]
    elif ItemID == "E2":
        newSaleItemPrice[itemCount - 1] = price[11]
        newSaleItem[itemCount - 1] = itemDescription[11]
    elif ItemID == "E3":
        newSaleItemPrice[itemCount - 1] = price[12]
        newSaleItem[itemCount - 1] = itemDescription[12]
    elif ItemID == "F1":
        newSaleItemPrice[itemCount - 1] = price[13]
        newSaleItem[itemCount - 1] = itemDescription[13]
    elif ItemID == "F2":
        newSaleItemPrice[itemCount - 1] = price[14]
        newSaleItem[itemCount - 1] = itemDescription[14]
    elif ItemID == "G1":
        newSaleItemPrice[itemCount - 1] = price[15]
        newSaleItem[itemCount - 1] = itemDescription[15]
```

```
            elif ItemID == "G2":
                newSaleItemPrice[itemCount - 1] = price[16]
                newSaleItem[itemCount - 1] = itemDescription[16]


    computerPrice = 200


    print("")
    print("Computer Invoice")
    print("")
    print("Item Description                          Item price")
    print("-" * 50)
    for i in range(7):
        if newSaleItem[i] != "":
            print(str(newSaleItem[i]) + " " * (42 - len(str(newSaleItem[i]))) +
str(newSaleItemPrice[i]))
            computerPrice = computerPrice + newSaleItemPrice[i]


    print("")
    print("Total price of the computer: {}".format(computerPrice))
```

Programming Language: Python

```
    itemCount = 0

    print("")

    print("")

    print("Item code    Item Description                          Item price  Category")

    print("-" * 95)

    for i in range(8, 17):

        print(itemCode[i] + " " * 9 + itemDescription[i] + " " * (43 - len(itemDescription[i])) +
"{}".format(price[i])

              + " " * (14 - len(str(price[i]))) + category[i])
```

```
myOption = ""
while myOption.upper() != "N":
    myOption = input("Would you like to buy additional components? (Y/N): ")



    if myOption.upper() == "Y":
        ItemID = ""
        while not (ItemID == "D1" or ItemID == "D2" or ItemID == "E1" or
            ItemID == "E2" or ItemID == "E3" or ItemID == "F1" or
            ItemID == "F2" or ItemID == "G1" or ItemID == "G2"):
            ItemID = input("Choose an additional Item Code: ")



            if not (ItemID == "D1" or ItemID == "D2" or ItemID == "E1" or
            ItemID == "E2" or ItemID == "E3" or ItemID == "F1" or
            ItemID == "F2" or ItemID == "G1" or ItemID == "G2"):
                print("Choose either D1, D2, E1, E2, E3, F1, F2, G1 or G2.")



        itemCount = itemCount + 1



        if ItemID == "D1":
            newSaleItemPrice[itemCount - 1] = price[8]
```

```
        newSaleItem[itemCount - 1] = itemDescription[8]
    elif ItemID == "D2":
        newSaleItemPrice[itemCount - 1] = price[9]
        newSaleItem[itemCount - 1] = itemDescription[9]
    elif ItemID == "E1":
        newSaleItemPrice[itemCount - 1] = price[10]
        newSaleItem[itemCount - 1] = itemDescription[10]
    elif ItemID == "E2":
        newSaleItemPrice[itemCount - 1] = price[11]
        newSaleItem[itemCount - 1] = itemDescription[11]
    elif ItemID == "E3":
        newSaleItemPrice[itemCount - 1] = price[12]
        newSaleItem[itemCount - 1] = itemDescription[12]
    elif ItemID == "F1":
        newSaleItemPrice[itemCount - 1] = price[13]
        newSaleItem[itemCount - 1] = itemDescription[13]
    elif ItemID == "F2":
        newSaleItemPrice[itemCount - 1] = price[14]
        newSaleItem[itemCount - 1] = itemDescription[14]
    elif ItemID == "G1":
        newSaleItemPrice[itemCount - 1] = price[15]
        newSaleItem[itemCount - 1] = itemDescription[15]
    elif ItemID == "G2":
        newSaleItemPrice[itemCount - 1] = price[16]
```

```
                    newSaleItem[itemCount - 1] = itemDescription[16]



    computerPrice = 200




    print("")
    print("Computer Invoice")
    print("")
    print("Item Description                          Item price")
    print("-" * 50)
    for i in range(7):
        if newSaleItem[i] != "":
            print(str(newSaleItem[i]) + " " * (42 - len(str(newSaleItem[i]))) +
str(newSaleItemPrice[i]))
            computerPrice = computerPrice + newSaleItemPrice[i]




    print("")
    print("Total price of the computer: {}".format(computerPrice))
```

(f) The following is an example solution. There are other possible solutions.

```
ComputerPrice = 200

discApplied = 0 // Additional part

moneySaved // Additional part

OUTPUT "Computer Invoice"
OUTPUT "Item description                    "
OUTPUT "Item price  "
OUTPUT "-----------------------------------------------------------------"

FOR x = 1 TO 7
   IF newSaleItem[x] <> "" THEN
      OUTPUT newSaleItem[x] + Space(40 - LEN(newSaleItem[x]))
      myPrice = newSaleItemPrice[x]
      OUTPUT myPrice
      ComputerPrice = ComputerPrice + newSaleItemPrice[x]
   END IF
NEXT

OUTPUT "Basic set of components" + Space(17)

myPrice = 200
OUTPUT myPrice

OUTPUT "-----------------------------------------------------------------"
OUTPUT "Total price of the computer: " + ComputerPrice

IF itemCount = 3 THEN
   OUTPUT "No discount applied."
ELSEIF itemCount = 4 THEN
   OUTPUT "5% discount applied."
   moneySaved = ComputerPrice * 0.05                    // Additional part
   moneySavedPerc = (moneySaved / ComputerPrice) * 100  // Additional part
   ComputerPrice = ComputerPrice * 0.95
ELSEIF itemCount > 4 THEN
   OUTPUT "10% discount applied."
   moneySaved = ComputerPrice * 0.05                    // Additional part
   moneySavedPerc = (moneySaved / ComputerPrice) * 100  // Additional part
   ComputerPrice = ComputerPrice * 0.9
END IF

OUTPUT ""
OUTPUT "Money saved as percentage of original price: " + moneySavedPerc
OUTPUT "Total price of the computer after discount: " + ComputerPrice
```