

(Original Order)

Name	Rate
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Walters	10.00
Carson	11.00
Miller	12.00
North	13.00
Drane	14.00

(Sorted Order)

Employee Name	Pay Rate	Current Pay
Carson	\$11.00	\$440.00
Drane	\$14.00	\$560.00
Miller	\$12.00	\$480.00
North	\$13.00	\$520.00
Walters	\$10.00	\$400.00

Module Module1

```
Sub Main()  
    'Programmer: Gabby Clemente  
    'Date: 12/4/18  
    'Purpose: Sort part items  
  
    Dim employee() As String = {"Walters", "Carson", "Miller", "North", "Drane"}  
    Dim pay_rate() As Double = {10.0, 11.0, 12.0, 13.0, 14.0}  
    Dim hours_worked As Integer = 40  
    Dim reg_pay(4) As Double  
  
    Console.WriteLine("(Original Order)")  
    Console.WriteLine()  
    Console.WriteLine("Name" & ControlChars.Tab & "Rate")  
    Console.WriteLine("-----")  
  
    For i = 0 To 4  
        Console.WriteLine(employee(i) & ControlChars.Tab & Format(pay_rate(i),  
"Fixed"))  
    Next i  
  
    Console.WriteLine("-----")  
    Console.WriteLine()  
  
    Console.WriteLine("(Sorted Order)")  
    Console.WriteLine()  
    Console.WriteLine("Employee" & ControlChars.Tab & "Pay" & ControlChars.Tab &  
ControlChars.Tab & "Current")  
    Console.WriteLine("Name" & ControlChars.Tab & ControlChars.Tab & "Rate" &  
ControlChars.Tab & ControlChars.Tab & "Pay")  
    Console.WriteLine("-----")
```

```
Array.Sort(employee, pay_rate)

For i = 0 To 4
    reg_pay(i) = hours_worked * pay_rate(i)
    Console.WriteLine(employee(i) & ControlChars.Tab & ControlChars.Tab &
FormatCurrency(pay_rate(i)) & ControlChars.Tab & ControlChars.Tab &
FormatCurrency(reg_pay(i)))
Next i

Console.WriteLine("-----")
Console.WriteLine()

End Sub

End Module
```

Discount Toy Center
Erie Pennsylvania
Discount Report

Part #	Price	10%	20%	30%
1000	10.00	1.00	2.00	3.00
2309	11.00	1.10	2.20	3.30
1913	13.00	1.30	2.60	3.90
1241	15.00	1.50	3.00	4.50
1553	23.90	2.39	4.78	7.17
1422	11.23	1.12	2.25	3.37
1900	14.50	1.45	2.90	4.35
2708	14.00	1.40	2.80	4.20
2314	10.10	1.01	2.02	3.03

Discount Toy Center
Erie Pennsylvania
Discount Report

Part #	Price	10%	20%	30%
1000	10.00	1.00	2.00	3.00
1241	15.00	1.50	3.00	4.50
1422	11.23	1.12	2.25	3.37
1553	23.90	2.39	4.78	7.17
1900	14.50	1.45	2.90	4.35
1913	13.00	1.30	2.60	3.90
2309	11.00	1.10	2.20	3.30
2314	10.10	1.01	2.02	3.03
2708	14.00	1.40	2.80	4.20

Module Module1

Sub Main()

'Programmer: Gabby Clemente

'Date: 12/4/18

'Purpose: Sorting data from arrays

Dim part_number() As Integer = {1000, 2309, 1913, 1241, 1553, 1422, 1900, 2708,
2314}

Dim price() As Double = {10, 11, 13, 15, 23.9, 11.23, 14.5, 14, 10.1}

Dim ten_percent(8) As Double

Dim twenty_percent(8) As Double

Dim thirty_percent(8) As Double

Dim i As Integer

Console.WriteLine(ControlChars.Tab & ControlChars.Tab & "Discount Toy Center")

Console.WriteLine(ControlChars.Tab & ControlChars.Tab & "Erie Pennsylvania")

Console.WriteLine(ControlChars.Tab & ControlChars.Tab & "Discount Report")

Console.WriteLine()

```

        Console.WriteLine("Part #" & ControlChars.Tab & ControlChars.Tab & "Price" &
ControlChars.Tab & ControlChars.Tab & "10%" & ControlChars.Tab & ControlChars.Tab & "20%"
& ControlChars.Tab & ControlChars.Tab & "30%")
        Console.WriteLine("-----")
        -----")

        For i = 0 To 8
            ten_percent(i) = price(i) * 0.1
            twenty_percent(i) = price(i) * 0.2
            thirty_percent(i) = price(i) * 0.3

            Console.WriteLine(part_number(i) & ControlChars.Tab & ControlChars.Tab &
Format(price(i), "Fixed") & ControlChars.Tab & ControlChars.Tab & Format(ten_percent(i),
"Fixed") & ControlChars.Tab & ControlChars.Tab & Format(twenty_percent(i), "Fixed") &
ControlChars.Tab & ControlChars.Tab & Format(thirty_percent(i), "Fixed"))
        Next i
        Console.WriteLine("-----")
        -----")

        Console.WriteLine()

        Console.WriteLine(ControlChars.Tab & ControlChars.Tab & "Discount Toy Center")
        Console.WriteLine(ControlChars.Tab & ControlChars.Tab & "Erie Pennsylvania")
        Console.WriteLine(ControlChars.Tab & ControlChars.Tab & "Discount Report")
        Console.WriteLine()

        Console.WriteLine("Part #" & ControlChars.Tab & ControlChars.Tab & "Price" &
ControlChars.Tab & ControlChars.Tab & "10%" & ControlChars.Tab & ControlChars.Tab & "20%"
& ControlChars.Tab & ControlChars.Tab & "30%")
        Console.WriteLine("-----")
        -----")

        Array.Sort(part_number, price)
        For i = 0 To 8
            ten_percent(i) = price(i) * 0.1
            twenty_percent(i) = price(i) * 0.2
            thirty_percent(i) = price(i) * 0.3

            Console.WriteLine(part_number(i) & ControlChars.Tab & ControlChars.Tab &
Format(price(i), "Fixed") & ControlChars.Tab & ControlChars.Tab & Format(ten_percent(i),
"Fixed") & ControlChars.Tab & ControlChars.Tab & Format(twenty_percent(i), "Fixed") &
ControlChars.Tab & ControlChars.Tab & Format(thirty_percent(i), "Fixed"))
        Next i

        Console.WriteLine("-----")
        -----")

        Console.WriteLine()

        End Sub

End Module

```