



# BMS Institute of Technology and Management

(An Autonomous Institution, Affiliated to VTU, Belagavi)

## Department of Master of Computer Applications

(Accredited by NBA, New Delhi)

### Alternate Assessment Tool (AAT) - 01

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Course Code	22MCA303	Course Title	Advance Programming
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#### AAT Question or Topic or Problem Statement

#### Store Bill Generator

Create a C# console application for a store bill generator. Prompt the user to input details for multiple items, including item name, quantity, and price per unit. Calculate and display a bill summary with the total amount for each item and the overall total.

## Store Bill Generator

Create a C# console application for a store bill generator. Prompt the user to input details for multiple items, including item name, quantity, and price per unit. Calculate and display a bill summary with the total amount for each item and the overall total.

### Program.cs

```
using System;
namespace P
{
    class Program
    {
        static void Main()
        {
            Console.WriteLine("Welcome to the Store Bill Generator!");
            Console.WriteLine("-----");

            // Initialize variables
            string[] items;
            int[] quantities;
            double[] prices;

            // Get the number of items
            Console.Write("Enter the number of items: ");
            int numberOfItems = int.Parse(Console.ReadLine());

            // Initialize arrays based on the number of items
            items = new string[numberOfItems];
            quantities = new int[numberOfItems];
            prices = new double[numberOfItems];

            // Input details for each item
            for (int i = 0; i < numberOfItems; i++)
            {
                Console.WriteLine("\nEnter details for Item " + (i + 1) + ":");

                // Item name
                Console.Write("Item Name: ");
                items[i] = Console.ReadLine();

                // Quantity
                Console.Write("Quantity: ");
                quantities[i] = int.Parse(Console.ReadLine());

                // Price per unit
                Console.Write("Price per unit: $");
                prices[i] = double.Parse(Console.ReadLine());
            }

            // Display the bill
            Console.WriteLine("\n\nBill Details");
            Console.WriteLine("-----");
            Console.WriteLine("Item\t\tQuantity\tPrice\t\tTotal");
            Console.WriteLine("-----");

            double totalAmount = 0;
```

```

        for (int i = 0; i < numberOfItems; i++)
        {
            double totalItemAmount = quantities[i] * prices[i];
            totalAmount += totalItemAmount;

            Console.WriteLine(String.Format("{0}\t\t{1}\t\t${2:F2}\t\t${3:F2}",
items[i], quantities[i], prices[i], totalItemAmount));
        }

        Console.WriteLine("-----");
        Console.WriteLine("Total Amount:\t\t\t\t$" + totalAmount.ToString("F2"));

        Console.WriteLine("\nThank you for shopping with us!");
        Console.ReadLine();
    }
}
}

```

## Output

```

file:///C:/Users/Chiranjeevi/OneDrive/Desktop/3rd SEM/Advance Programming/P/P/bin/Debug/P.EXE
Welcome to the Store Bill Generator!
-----
Enter the number of items: 3

Enter details for Item 1:
Item Name: Laptop
Quantity: 2
Price per unit: $48569

Enter details for Item 2:
Item Name: Mobile
Quantity: 1
Price per unit: $18000

Enter details for Item 3:
Item Name: EarBuds
Quantity: 2
Price per unit: $1399

Bill Details
-----
Item           Quantity    Price           Total
-----
Laptop                2           $48569.00       $97138.00
Mobile                1           $18000.00       $18000.00
EarBuds                2           $1399.00        $2798.00
-----
Total Amount:                $117936.00

Thank you for shopping with us!
_

```