```csharp
using System;

class Program
{
    static void Main()
    {
        // Display menu options
        Console.WriteLine("Please select an option from the menu:");
        Console.WriteLine("1. Option A");
        Console.WriteLine("2. Option B");
        Console.WriteLine("3. Option C");
        Console.WriteLine("4. Exit");

        // Read user input
        Console.Write("Enter your choice (1-4): ");
        string input = Console.ReadLine();

        // Process the user's choice
        switch (input)
        {
            case "1":
                Console.WriteLine("You selected Option A.");
                break;
            case "2":
                Console.WriteLine("You selected Option B.");
                break;
            case "3":
                Console.WriteLine("You selected Option C.");
                break;
```

```csharp
        case "4":

            Console.WriteLine("Exiting the program. Goodbye!");

            break;

        default:

            Console.WriteLine("Invalid selection. Please choose a number between 1 and 4.");

            break;

    }

  }

}
```