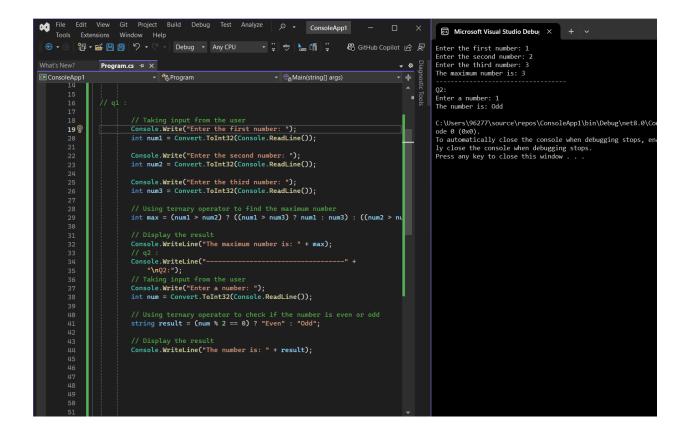
```
Program.cs → × What's New?
                                                                → %ConsoleApp5.CarStoreApp.Program
nsoleApp5
         usina Svstem:
                                                                                                ©\(\text{C:\Users\96277\source\repos\) \(\times\)
      v namespace ConsoleApp5
                                                                                               Enter Store Name: yazan store
            namespace CarStoreApp
                                                                                               Enter Location: amman
Enter Owner Name: yazan
                3 references
class CarsStore
                                                                                               Store Details:
                                                                                               Store Name: yazan store
Location: amman
                   public string StoreName { get; set; }
                                                                                               Owner: yazan
                   2 references
public string Location { get; set; }
                   public string Owner { get; set; }
                                                                                               Enter Car Name:
                   1 reference
public CarsStore(string storeName, string location, string owner)
                                                       ९६ class System.String
Represents text as a sequence of UTF-16 code units.
                       StoreName = storeName;
Location = location;
                       Owner = owner;
                   O references
public override string ToString()
                      return $"Store Name: {StoreName}\nLocation: {Location}\nOwner: {Owner}";
             3 references
             class Car
                    2 references
                    public string CarName { get; set; }
                    4 references
                    public decimal Price { get; set; }
                    public Car(string carName, decimal price)
                     {
                           CarName = carName;
                           Price = price;
                    2 references
                    public override string ToString()
                           return $"Car Name: {CarName}\nPrice: ${Price}";
```

```
class Program
   0 references
    static void Main(string[] args)
       // Get CarsStore details
        Console.Write("Enter Store Name: ");
        string storeName = Console.ReadLine();
        Console.Write("Enter Location: ");
        string location = Console.ReadLine();
        Console.Write("Enter Owner Name: ");
        string owner = Console.ReadLine();
        CarsStore store = new CarsStore(storeName, location, owner);
        Console.WriteLine("\nStore Details:");
        Console.WriteLine(store);
        // Get Car details
        Console.Write("\nEnter Car Name: ");
        string carName = Console.ReadLine();
        Console.Write("Enter Car Price: ");
        decimal carPrice = decimal.Parse(Console.ReadLine());
        Console.Write("Enter Discount Percentage: ");
        double discount = double.Parse(Console.ReadLine());
        CarOnSale carOnSale = new CarOnSale(carName, carPrice, discount);
        // Print car details
        Console.WriteLine("\nCar on Sale Details:");
        Console.WriteLine(carOnSale);
```



Enter Store Name: Enter Location: Enter Owner Name:

Store Details: Store Name: Location: Owner:

Enter Car Name: mercediece

Enter Car Price: 2000

Enter Discount Percentage: 20

Car on Sale Details: Car Name: mercediece

Price: \$2000 Discount: 20%

Final Price: \$1600.0

C:\Users\96277\source\repos\ConsoleApp5\bin\
Press any key to close this window . . .

```
Microsoft Visual Studio Debu ×
        Oreferences
internal class Program
                                                                                                          Enter first number (or press Enter to skip):
            static void Main(string[] args)
                                                                                                          Enter second number (or press Enter to skip):
                Console.WriteLine("Enter first number (or press Enter to skip):");
string input1 = Console.ReadLine();
                                                                                                          Enter operation (+, -, *, /, ^, sqrt):
                Console.WriteLine("Enter second number (or press Enter to skip):");
string input2 = Console.ReadLine();
                                                                                                          Result: 1
                Console.WriteLine("Enter operation (+, -, *, /, ^, sqrt):");
string operation = Console.ReadLine();
                                                                                                          C:\Users\96277\source\repos\ConsoleApp6\bin\Debug\net8.0\C
                                                                                                          Press any key to close this window . .
                double? num1 = string.IsNullOrWhiteSpace(input1) ? (double?)null : double.Parse(input
double? num2 = string.IsNullOrWhiteSpace(input2) ? (double?)null : double.Parse(input)
                double? result = PerformOperation(num1, num2, operation);
                if (result != null)
                    Console.WriteLine($"Result: {result}");
                    Console.WriteLine("Invalid operation or inputs.");
static void Main(string[] args)
     Console.WriteLine("Enter first number (or press Enter to skip):");
     string input1 = Console.ReadLine();
     Console.WriteLine("Enter second number (or press Enter to skip):");
     string input2 = Console.ReadLine();
     Console.WriteLine("Enter operation (+, -, *, /, ^, sqrt):");
string operation = Console.ReadLine();
     double? num1 = string.IsNullOrWhiteSpace(input1) ? (double?)null : double.Parse(input1);
double? num2 = string.IsNullOrWhiteSpace(input2) ? (double?)null : double.Parse(input2);
     double? result = PerformOperation(num1, num2, operation);
     if (result != null)
           Console.WriteLine($"Result: {result}");
          Console.WriteLine("Invalid operation or inputs.");
static double? PerformOperation(double? num1, double? num2, string operation)
     try
{
          double value1 = num1 ?? \theta;
          double value2 = num2 ?? \theta;
          return operation switch
                "+" => value1 + value2,
                "-" => value1 - value2,
                "*" => value1 * value2,
                "/" => value2 != 0 ? value1 / value2 : double.NaN, // Prevent division by zero
"^" => Math.Pow(value1, value2),
"sqrt" => Math.Sqrt(value1), // Only considers the first number
     catch
           return null; // Return null if any exception occurs
```