

```
am.cs*  X
ConsoleApp1  Program
1  using System;
2
3  4 references
4  public class Car
5  {
6      public string Brand;
7      public string Model;
8      public int Year;
9  }
10
11  0 references
12  class Program
13  {
14      0 references
15      static void Main()
16      {
17          Car car1 = new Car();
18          car1.Brand = "Toyota";
19          car1.Model = "Corolla";
20          car1.Year = 2020;
21
22          Car car2 = new Car();
23          car2.Brand = "Ford";
24          car2.Model = "Focus";
25          car2.Year = 2018;
26
27          Console.WriteLine($"{car1.Brand} {car1.Model}, Year: {car1.Year}");
28          Console.WriteLine($"{car2.Brand} {car2.Model}, Year: {car2.Year}");
29      }
30  }
```

```
1 using System;
2
3 6 references
4 public class Car
5 {
6     public string Brand;
7     public string Model;
8     public int Year;
9     public static int CarCount = 0;
10
11     2 references
12     public Car()
13     {
14         CarCount++;
15     }
16
17     1 reference
18     public void StartEngine()
19     {
20         Console.WriteLine($"{Brand} engine started.");
21     }
22
23     1 reference
24     public void StopEngine()
25     {
26         Console.WriteLine($"{Brand} engine stopped.");
27     }
28 }
29
30 0 references
31 class Program
32 {
33     0 references
34     static void Main()
35     {
36         Car car1 = new Car { Brand = "BMW", Model = "X5", Year = 2021 };
37         Car car2 = new Car { Brand = "Audi", Model = "Q7", Year = 2022 };
38
39         car1.StartEngine();
40         car2.StopEngine();
41
42         Console.WriteLine($"Total cars created: {Car.CarCount}");
43     }
44 }
```

```
1  using System;
2
3  6 references
4  v public class Car
5  {
6      public string Brand;
7      public string Model;
8      public int Year;
9
10     1 reference
11     v public Car(string brand, string model, int year)
12     {
13         Brand = brand;
14         Model = model;
15         Year = year;
16
17     1 reference
18     v public Car(string brand)
19     {
20         Brand = brand;
21         Model = "Unknown";
22         Year = 2000;
23     }
24 }
25
26 0 references
27 v class Program
28 {
29     0 references
30     v static void Main()
31     {
32         Car car1 = new Car("Mercedes", "C-Class", 2023);
33         Car car2 = new Car("Hyundai");
34
35         Console.WriteLine($"{car1.Brand} {car1.Model}, Year: {car1.Year}");
36         Console.WriteLine($"{car2.Brand} {car2.Model}, Year: {car2.Year}");
37     }
38 }
```

```
using System;
```

```
// References
```

```
public class Car
```

```
{  
    private string brand;  
    private string model;  
    private int year;
```

```
// References
```

```
    public string Brand
```

```
{  
    get { return brand; }  
    set { brand = value; }  
}
```

```
// References
```

```
    public string Model
```

```
{  
    get { return model; }  
    set { model = value; }  
}
```

```
// References
```

```
    public int Year
```

```
{  
    get { return year; }  
    set  
    {  
        if (value >= 1886)  
            year = value;  
        else  
            Console.WriteLine("Invalid year. Cars were not invented before 1886.");  
    }  
}
```

```
// References
```

```
    public Car(string brand, string model, int year)
```

```
{  
    Brand = brand;  
    Model = model;  
    Year = year;  
}
```

```
}
```

```
// References
```

```
class Program
```

```
{
```

```
// References
```

```
    static void Main()
```

```
{  
    Car car1 = new Car("Tesla", "Model S", 2022);  
    Car car2 = new Car("Ford", "F", 1890);  
  
    Console.WriteLine($"{car1.Brand} {car1.Model}, Year: {car1.Year}");  
}
```

```
}
```