

<https://www.runoob.com/csharp/csharp-queue.html>

队列（Queue）代表了一个先进先出的对象集合。当您需要对各项进行先进先出的访问时，则使用队列。当您在列表中添加一项，称为入队，当您从列表中移除一项时，称为出队。

实例

下面的实例演示了队列（Queue）的使用：

实例

```
using System;
using System.Collections;

namespace CollectionsApplication
{
    class Program
    {
        static void Main(string[] args)
        {
            Queue q = new Queue();

            q.Enqueue('A');
            q.Enqueue('M');
            q.Enqueue('G');
            q.Enqueue('W');

            Console.WriteLine("Current queue: ");
            foreach (char c in q)
                Console.Write(c + " ");
            Console.WriteLine();
            q.Enqueue('V');
            q.Enqueue('H');
            Console.WriteLine("Current queue: ");
            foreach (char c in q)
                Console.Write(c + " ");
            Console.WriteLine();
        }
    }
}
```

```
Console.WriteLine("Removing some values ");
char ch = (char)q.Dequeue();
Console.WriteLine("The removed value: {0}", ch);
ch = (char)q.Dequeue();
Console.WriteLine("The removed value: {0}", ch);
Console.ReadKey();
}

}

}
```

当上面的代码被编译和执行时，它会产生下列结果：

```
Current queue:
A M G W
Current queue:
A M G W V H
Removing values
The removed value: A
The removed value: M
```