枚举：

enum name {enumeration list};

在C#中，枚举大括号中的每一个符号对应一个整数值。但是，枚举类型和内置的整数类型直接没有隐式的类型转换，因此必须执行显式的类型转换。

默认情况下，枚举的第一个符号的值为0.

例：程序enum\_test1

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// 枚举

using *System*;

using *System*.*Collections*.*Generic*;

using *System*.*Linq*;

using *System*.*Text*;

using *System*.*Threading*.*Tasks*;

namespace enum\_test1

{

class EnumTest

{

enum Apple

{

Jonthan,

GoldDel,

RedDel,

Cortland,

McIntosh

};

static void Main(string[] args)

{

string[] color = { "Red", "Yellow", "Red", "Red", "Reddish Green" };

for (Apple i = Apple.Jonthan; i <= Apple.McIntosh; ++i)

{

*Console*.*WriteLine*(i + " has value of " + (int)i);

}

for (Apple i = Apple.Jonthan; i<= Apple.McIntosh; ++i)

{

*Console*.*WriteLine*("Color of " + i + " is " + color[(int)i]);

}

}

}

}

输出结果：

Jonthan has value of 0

GoldDel has value of 1

RedDel has value of 2

Cortland has value of 3

McIntosh has value of 4

Color of Jonthan is Red

Color of GoldDel is Yellow

Color of RedDel is Red

Color of Cortland is Red

Color of McIntosh is Reddish Green

从输出结果可以看出，如果枚举类型不显式转换，输出的为枚举字段。

默认情况下，枚举的类型为int，但可以指定除char以外的任何整数类型。

enum Apple : byte {Jonathan, RedDel}