

Universidad Rafael Landívar Facultad de Ingeniería.
Ingeniería
Programación
Segundo Ciclo

RETOS

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RETO 1

```
using System;

public class TwelveDaysOfChristmas {

    public static void Main() {

        string[] days = new string[12] {
            "first", "second", "third", "fourth", "fifth", "sixth", "seventh", "eighth", "ninth",
            "tenth", "eleventh", "twelfth",
        };

        string[] gifts = new string[12] {
            "A partridge in a pear tree",
            "Two turtle doves",
            "Three french hens",
            "Four calling birds",
            "Five golden rings",
            "Six geese a-laying",
            "Seven swans a-swimming",
            "Eight maids a-milking",
            "Nine ladies dancing",
            "Ten lords a-leaping",
            "Eleven pipers piping",
            "Twelve drummers drumming"
        };

        for ( int i = 0; i < 12; i++ ) {

            Console.WriteLine("On the " + days[i] + " day of Christmas, my true love gave to
me");

            int j = i + 1;
            while ( j-- > 0 )
                Console.WriteLine(gifts[j]);

            Console.WriteLine();

            if ( i == 0 )
                gifts[0] = "And a partridge in a pear tree";
        }

    }

}
```


Six geese a-laying
Five golden rings
Four calling birds
Three french hens
Two turtle doves
And a partridge in a pear tree

On the seventh day of Christmas, my true love gave to me
Seven swans a-swimming
Six geese a-laying
Five golden rings
Four calling birds
Three french hens
Two turtle doves
And a partridge in a pear tree

On the eighth day of Christmas, my true love gave to me
Eight maids a-milking
Seven swans a-swimming
Six geese a-laying
Five golden rings
Four calling birds
Three french hens
Two turtle doves
And a partridge in a pear tree

On the ninth day of Christmas, my true love gave to me
Nine ladies dancing
Eight maids a-milking
Seven swans a-swimming
Six geese a-laying
Five golden rings
Four calling birds
Three french hens
Two turtle doves
And a partridge in a pear tree

On the tenth day of Christmas, my true love gave to me
Ten lords a-leaping

Ten lords a-leaping
Nine ladies dancing
Eight maids a-milking
Seven swans a-swimming
Six geese a-laying
Five golden rings
Four calling birds
Three french hens
Two turtle doves
And a partridge in a pear tree

On the eleventh day of Christmas, my true love gave to me
Eleven pipers piping
Ten lords a-leaping
Nine ladies dancing
Eight maids a-milking
Seven swans a-swimming
Six geese a-laying
Five golden rings
Four calling birds
Three french hens
Two turtle doves
And a partridge in a pear tree

On the twelfth day of Christmas, my true love gave to me
Twelve drummers drumming
Eleven pipers piping
Ten lords a-leaping
Nine ladies dancing
Eight maids a-milking
Seven swans a-swimming
Six geese a-laying
Five golden rings
Four calling birds
Three french hens
Two turtle doves
And a partridge in a pear tree

Command-line arguments

 Execute



Result

CPU Time: 0.02 sec(s), Memory: 16460 kilobyte(s)

compiled and execu

```
On the first day of Christmas, my true love gave to me  
A partridge in a pear tree
```

```
On the second day of Christmas, my true love gave to me  
Two turtle doves  
And a partridge in a pear tree
```

```
On the third day of Christmas, my true love gave to me  
Three french hens  
Two turtle doves  
And a partridge in a pear tree
```

```
On the fourth day of Christmas, my true love gave to me  
Four calling birds  
Three french hens  
Two turtle doves  
And a partridge in a pear tree
```

```
On the fifth day of Christmas, my true love gave to me  
Five golden rings  
Four calling birds  
Three french hens  
Two turtle doves  
And a partridge in a pear tree
```

```
On the sixth day of Christmas, my true love gave to me  
Six geese a-laying  
Five golden rings
```