



C# loves you!
And it wants to be friends.

Lesson 1.

Babies! Let's talk about them.



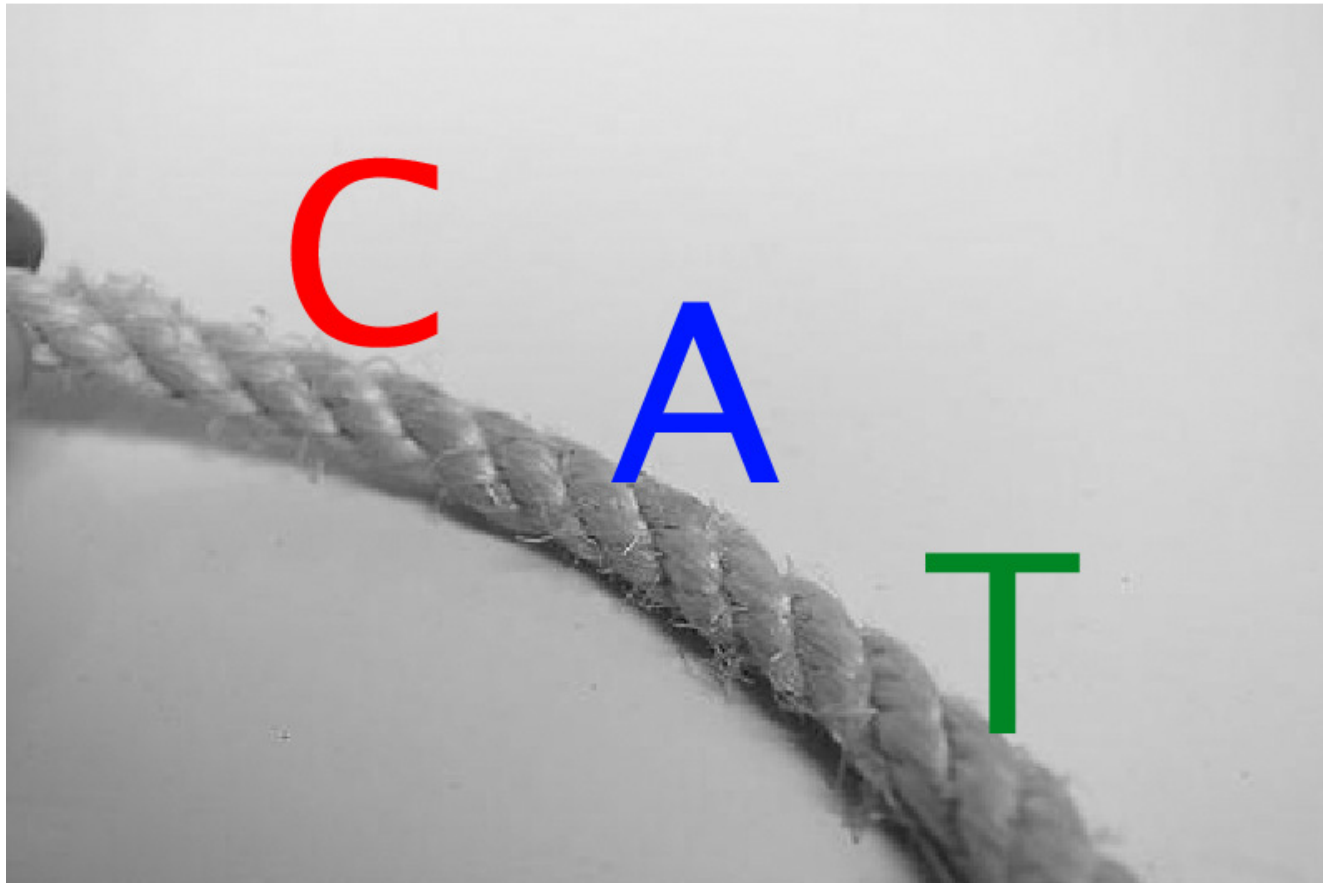
Your first program!

See the “Hello world!” Recipe



A string: what is it?

Can you guess from this picture?



RIGHT!

- A string is a series of letters and spaces, all in a row, as though they were next to each other on a piece of string.
- Computers use strings to store WORDS.
- So, in your computer program, “Hello, world!” is a string.
- If something is in quotes, it is a string.

The RIDDLE game.

Can a computer program tell you if you're right or wrong?

See the Riddle Recipe.



If/Else

The “if” word is VERY important in programming. You can use it to help the computer make decisions. You might be surprised by how the computer answers these questions.

If it is blue, is it green?

If there are four, are there five?

If it is true, is it false?

If it is false, is it true?

If `health == 0`, is `health < 0`?

Does “apple” == “Apple”?

Does `4 == 4.0`?

The computer looks at an **if statement**, and decides if it's true or not. If it is, it goes inside that if statement. If it's not, it passes it. If there is an **else statement**, it will go into that instead! Let's look at these three **if statements**...


```
myFruit = "apples";
```

```
if(myFruit == "apples")
```

```
{
```

```
    Console.WriteLine("This will show!");
```

```
}
```

```
myFruit = "apples";
```

```
if(myFruit == "bananas")
```

```
{
```

```
    Console.WriteLine("This will  
never show.");
```

```
}
```

```
myFruit = "stupidfruit";
```

```
if(myFruit == "oranges")
```

```
{
```

```
    Console.WriteLine("This will not show...");
```

```
}
```

```
else
```

```
{
```

```
    Console.WriteLine("But this will show instead!");
```

```
}
```