

How do I?

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1 Basics

1.1 How do I: First program

First create a file called **Main.cs** and make sure to have the following in the file

```
class Main
{
    static void Main(string[] args)
    {

    }
}
```

If you wish to give a different name to the file, then make sure to put that name instead of **Main** after the **class** keyword.

1.2 How do I: Use a variable

Using variables is one of the main concepts of programming. Variables are used to store data. There are different types of variables used for storing different kinds of data.

```
int a = 5; // Integer
double b = 3.2; // Decimal
char ch = 'r'; // A single character, single quotes '
string str = "Hello World"; // Array of characters - string, double quotes "

int[] arr = new int[5]; // Defines an array of ints, of size 5
int[] arr2 = new int[a]; // We can also use prev defined variable for size
```

2 IO Operations

Standard input and output (STD in, STD out) are the ways to communicate with the program through the console window.

2.1 Printing to STD out

2.2 Reading from STD in