C# Fundamentals

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Introduction

History

- C++ was developed as an extension for C. It all started in Bell Labs by Bjarme Stroustrup in 1979.
- C++ was originally named 'C with Classes'. It was renamed C++ in 1983.

Static Type Language

 C++ is a static type language. We should specify the type of each variable as well as the returned type of each function. The type of each value is checked during the comilation.

Free Form Language

• C++ is a free form programming language. The positioning of characters in our source code page is not significant.

Multi Paradigm Language

- C++ is a multi paradigm programming language. C++ supports more than one programming paradigm. Programmers can work in a variety of styles intermixing different styles and different constructs from different paradigms.
- Using C++ we can mix procedural code with object oriented one.

Compiled Language

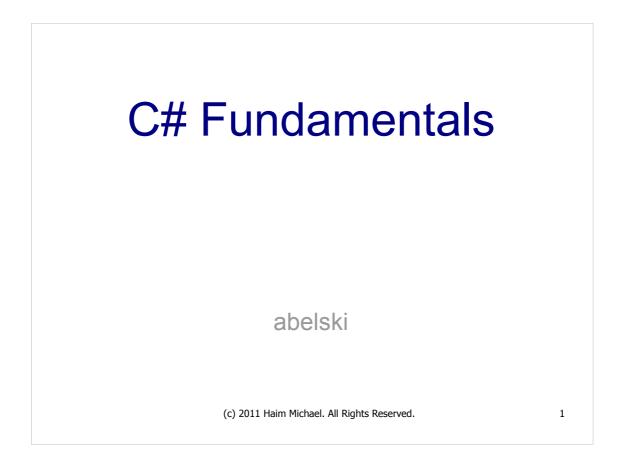
• When developing in C++ we use a compiler to compile our source code into an executabe one.

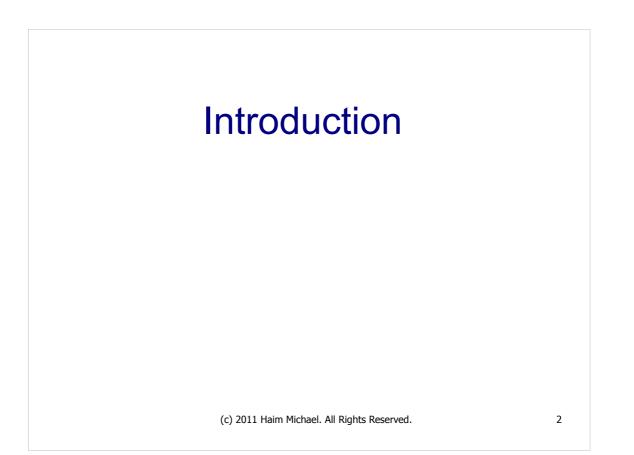
Hello World

 The following is a simple program written in C++ that prints "hello world" to the screen. The video clip explains how to use the QT IDE for compiling and running it.

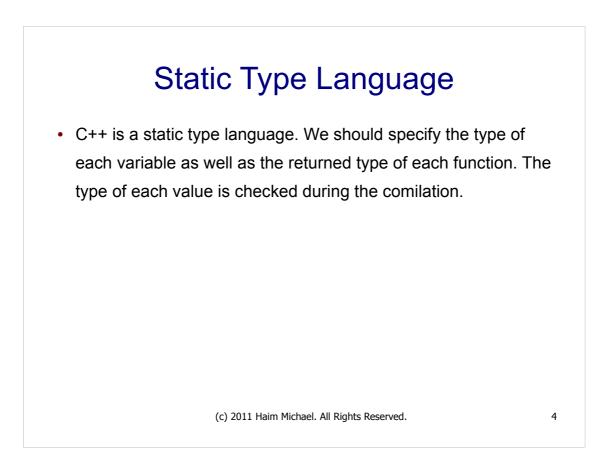
```
#include <stdio.h>
int main(int argc, char *argv[])
{
    printf("hello");
}
```

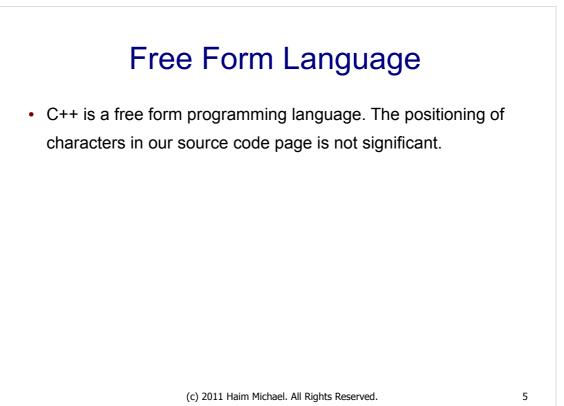












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