



Introduction to Programming

_Day_one

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Why?

- ◊ One of the most wanted career choices
- ◊ A look out for skill
- ◊ Get's you familiar with tech
- ◊ Realize your ideas
- ◊ Side hustle

Q: Biggest companies – Top 5

Try and list out a few

What's Programming

- ◆ Giving instructions to a computer, making it do what you want
- ◆ Where you apply this is up to you

Programming languages

- ◇ Bridge between the programmer and computers
- ◇ There are ##### programming languages created
- ◇ They have rules called **Syntax**.

Levels of Programming language

◊ Machine language:

```
01001000 01100101 01101100 01101100 01101111
```

◊ Assembly language:

```
msg db 'Hello', 0x0d, 0x0a, '$'
```

◊ High-level languages:

```
print( "Hello" )
```

Why Python

- ◆ Simple syntax and keywords
 - ◆ Multi-purpose
 - ◆ Hugely popular

Comparison

By printing “Hello, world!”

```
#include <iostream>
using namespace std;
int main() {
    cout << "Hello, World" << endl;
    return 0;
}
```

C++

```
public class HelloWorld {
    public static void main(String[] args) {
        System.out.println( "Hello, world!");
    }
}
```

Java

Comparison

By printing “Hello, world!”

```
print( "Hello World")
```

Python

Python Specialties

- ◆ Data science
- ◆ Machine learning and AI
- ◆ Web development

Questions

10 – 15 minutes

Let's start coding

- ◆ Requirements
 - ◆ Text editor
 - ◆ Python compiler

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