

Python: Getting Started

INTRODUCTION



Bo Milanovich

PYTHON WIZARD

@pythonbo pythonbo.com



Python: Getting Started

**Python basics –
data types,
functions, classes**

**Simple, beautiful,
powerful and
cross-platform**

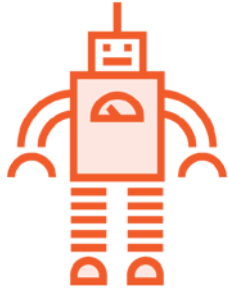
**Python all the
things!**



What Makes Python so Amazing?



Using Python



Automation



Science



Desktop



Android



Web



Machine Learning



My Uses of Python

Cross-platform desktop application with Qt
Django and Flask web apps
Home automation with Python



Python vs The Others

// Java

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

Python 3

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



Python 2 vs Python 3



Python 2 vs Python 3

Python 2

Maintained, but no new features

End of Life (EOL) in 2020

Still default on many systems

```
print "Hello World"
```

Python 3

New features being added

Unicode support by default

Cleared some Python 2 confusion

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

Minor differences from Python 2




Installing Python



Running a Python Program

```
# hello.py file contents  
print("Hello World")
```

A terminal window with a title bar containing three colored circles (red, yellow, green) and the text "1. bash". The terminal content shows a prompt "PythonBo \$" followed by the command "python3 hello.py" and its output "Hello World".

```
1. bash  
PythonBo $ python3 hello.py  
Hello World
```



Installing PyCharm

