

Python Class I

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- Python is the most easiest programming language in the world.
- Python is a general purpose high level programming language.

General purpose - Desktop app
- website
- Mid Tier +
Back end program.

AI + ML

High level -
characteristics of C, C++ etc.

Guido van Rossum
in 1989 ↳ Developed Python.
while working in

National Research Institute Netherland.

DOB of Python: 20th Feb 1991.

- First language for Beginners.
 - ↳ like english
 - ↳ very less code

Java : code to print Hello World

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

C:\> path > javac y HelloWorld.java <

C:\> path> java of HelloWorld ↵

C language:

```
# include <stdio.h>
```

```
void main()
```

```
{ printf("Hello World");
```

```
}
```

Python language:

python IDLE →

```
>>> print("Hello World") ↵
```

⇒ C, Java → Statically Typed

python → Dynamically typed
programming language.

Python → name

based on BBC TV show

Monty Python's Circus

Year 1969 to 1974

Borrowed features of Python:

- Functional programming from C
- OOP from C++
- Scripting lang feat. from Perl & shell script
- Modular programming from Modula-3

* Most of syntax are from C language & ABC language.

where we can use Python?

1. Desktop application.
2. web application. → Django;
Flask
3. Database Application.
4. networking application
5. Games development.
6. Data Analysis
7. Machine learning
8. Artificial Intelligence
9. IOT applications.

Which Companies use Python?

Google, Youtube, Dropbox, NASA, NSE
Facebook,

