



Review of Python

Lecture - 1

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What is Python

Python is an interpreted, object-oriented, high-level programming language with dynamic semantics.

History

- Python was developed by **Guido van Rossum**.
- Python is derived from many other languages, including ABC, Modula-3, C, C++, Algol-68, SmallTalk, and Unix shell and other scripting languages.

Features of Python

- ❑ Simple and minimalistic language
- ❑ Easy to Learn
- ❑ Interpreted : Python is processed at runtime by the interpreter.
You do not need to compile your program before executing it.
- ❑ Object Oriented
- ❑ Interactive
- ❑ Extensive Libraries : The Python Standard Library is huge indeed.

Application of python

- ❑ Web application(django)
- ❑ Game development(pygame)
- ❑ Web scraping : The data is extracted and saved to a local file in your computer
- ❑ Data Science
- ❑ Robotics

Websites based on python

- ❑ DropBox
- ❑ Survey Monkey
- ❑ Google
- ❑ Quora
- ❑ Yahoo maps
- ❑ Pinterest
- ❑ YouTube



Install python

Print Hello world

Print hello world

```
>>> print("Hello world!")
```

Hello world!



**Print any
Number**

Print any Number

```
>>> print(20)
```

```
20
```

```
>>> print(24.3)
```

```
24.3
```

```
>>> print(-.11)
```

```
-0.11
```

Comments in python and Why we use it ?

Place '#' in front of each line

Use triple quoted string. (`"""` `"""`) and it is used for multi-line comments

```
>>> print("Sandip kumar") # It is my name  
Sandip kumar
```



Thank You!

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