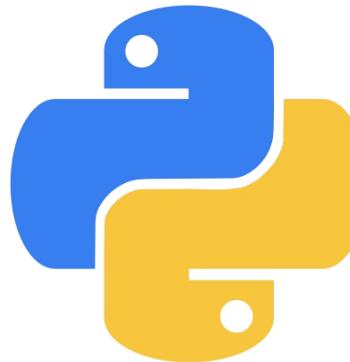


Complete Python Course Bootcamp from Beginners to Professional



By Kaustubh Wankhede

Introduction to Python Programming

Basic Concepts and Fundamentals of Python
Programming

Basic Concepts and Fundamentals of Python Programming

1. Introduction to Computer Science
2. Introduction to Python Programming
3. print() function
4. Data Types
5. Variables
6. Calculations
7. String Formatting
8. Escape Sequences
9. String Indexing
10. String Slicing
11. Step Slicing
12. Input Method
13. Project 1 - Band Name Generator
14. Project 2 - Tip Calculator

Presentation Agenda

What is Programming ?

What is Programming Language ?

What is Python ?

What can be Python Used for ?

What is Programming ?

Introduction to Python Programming

What is Programming ?

Programming is the process of telling a computer to do certain things by giving it **instructions**.

These instructions are called **programs**.

A person who writes these instructions is called as a **programmer**.

Software Engineer

Web Application Developer

Traditional Data Engineer

Cloud Architect

Software Developer

Cheif Technology Officer

Website Developer

AND MUCH MORE

Machine Learning Engineer

Big Data Engineer

Network Administrator

Network Engineer

Director of Technology

Systems Analyst

Data Scientist

Database Administrator

The Truth

At last, all of those are
PROGRAMMERS.

What is Programming Language ?

Introduction to Python Programming

What is Programming Language ?

A programming language is a vocabulary and set of grammatical rules for instructing a computer or computing device to perform specific tasks.

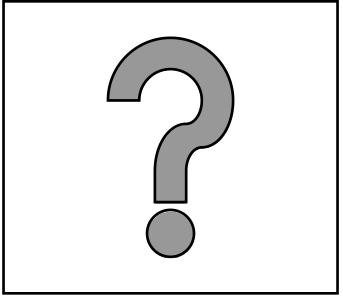
What is Programming Language ?

A more jacked definition could be,

A programming language is a formal language comprising a set of strings that produce various kinds of machine code output. Programming languages are one kind of computer language, and are used in computer programming to implement algorithms.

What is Programming Language ?

Let's understand through a graphical representation.



Binary Language



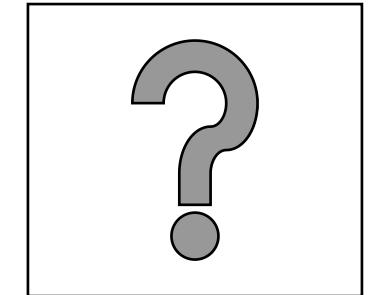
Hey man, How are you doing ?



English Language



001010001010010111001001

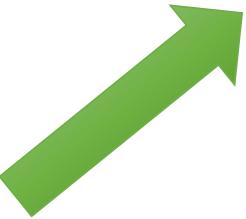


Binary Language

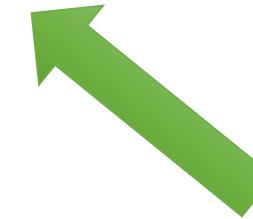
English Language



Programming Language



Binary Language



English Language

Programming Languages in the Market !

Python

JavaScript

Java

Ruby

PHP

C++

C

C#

Golang

TypeScript

Swift

AND MUCH MORE ...

According to Wikipedia, there are about
700 programming languages



What is Python ?

Introduction to Python Programming

What is Python ?

Python is an interpreted high-level general-purpose programming language.

Python's design philosophy emphasizes code readability with its notable use of significant indentation.

Its language constructs as well as its object-oriented approach aim to help programmers write clear, logical code for small and large-scale projects.

Interpreted Programming Language

In computer science, an interpreter is a computer program that directly executes instructions written in a programming language, without requiring them previously to have been compiled into a machine language program.

What is Python ?

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High-level Programming Language

In computer science, a high-level programming language is a programming language with strong abstraction from the details of the computer.

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General-purpose Programming Language

A general-purpose programming language is a programming language dedicated to a general-purpose, designed to be used for writing software in a wide variety of application domains.

What is Python ?

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What can be Python Used for ?

Introduction to Python Programming

What can be Python Used for ?

Arificial Intelligence and Machine Learning

Data Analytics

Data Visualisation

Programming Applications

Web Development

Game Development

Language Development

Finance

SEO

Design

Thank You!



Kaustubh Wankhede