What is Python?

Python is a high level general purpose programming language

High Level

Low Level - assembly 8086

Mid Level - C++

High Level - Python - python’s syntax is as simple as like English

General Purpose:

1.software Development

2.Web Dev.

3.Game Dev.

4.AI - ML(Maths)

History - 1991-Guido Vann Rossum

Monty’s Python Flying Circus

Python->Successor->ABC

Features:

1.High Level

2.General Purpose

3.Open source

4.Multi Paradigm Programming

-Procedural Programming

-Functional Programming

-OOPS-object oriented programming

5.Dynamically Typed Programming

6.Interpreted Programming

Compiler

Interpreter

Variables?

X = “Hi”

1.variable name cannot be start with numerical value, special character(except \_)

2.variable name must not contain space or any special character except underscore

Data Types

1.Number - int, float, complex - a+bi

2.String

3.Boolean

4.NoneType

Data Collection

1.List

2.Tuple

3.Dictionary

4.Sets

5.Frozen Sets

#if-else:

Given->you have given with 3 sides, if they can form a traingle,check whether its isosceles, scalene, or equilateral.

Google->. Github.com/sahil4ui