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Introduction to Python & Python Installation

Introduction:

Python is an interpreted high-level programming language, which is rapidly growing nowadays. The main Python language advantages are that it is easy to read and easy to learn. It is easier to write a program in Python than in C or C++. An important advantage of Python language is that it has wide applicability, and is extensively used by scientists, engineers, and mathematicians. It is used in many ground-breaking fields. In Bioinformatics python is extensively used for data analysis and development of tools.

Installation

Steps:

- Open the **official Python website** in your web browser. Navigate to the Downloads tab for Windows.

- Choose the latest Python 3.8.1 release.
- Click on the link to download **Windows x86 executable installer** if you are using a 32-bit installer. In case your Windows installation is a 64-bit system, then download **Windows x86-64 executable installer**.
- Once the installer is downloaded, run the Python installer.
- Check the **Install launcher for all users** check box. Further, you may check the **Add Python 3.8 to path** check box to include the interpreter in the execution path.
- Click on **install Now**

Verify the Python Installation

- Search for the command prompt on your PC or laptop and type python and press enter, for a demo, type *print ('hello world').*

Summary:

In this video we discussed the Python language and its advantages over other programming languages. We talked about the use of python in Bioinformatics. We also discussed the process of python installation.