Python demo

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-> python scripting and high level language

-> interpreter or compiler convert high level language to machine level language

-> interpreter and compiler check for syntax

-> interpreter is done by line by line

-> complier done by full program

-> python is portable and platform independent

-> huge library supports

-> python can be integrated with other programming languages

-> java+python=jython

-> .net+Python=ironpython

-> ruby + Python= Ruby python and stackless (python for concurrency)

-> there are many tools like numpy,scipy,pandas,matplot, lib (reporting tool)

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1) AWS - boto

2) webapp - Djanio

3) Robotic - pyro

4) IOT - Rassberri pi

5) N/W - socket,client/server,twisted

6) hadoop - pydoop,pyspark

7) Data Sciene - numpy,spicy,pandas

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Installations

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-> Download the .exe file

-> install it

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How to execute python

-> 3 ways to execute python

-> CLi

-> IDE

-> Notepad

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-> no datatypes are required

-> save the file with .py

-> with command prompt -- use python file path

-> using IDLE

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.py --> bytecode --> machine

.py compiles converts to bytecode with .pyc then to machine code with the help of