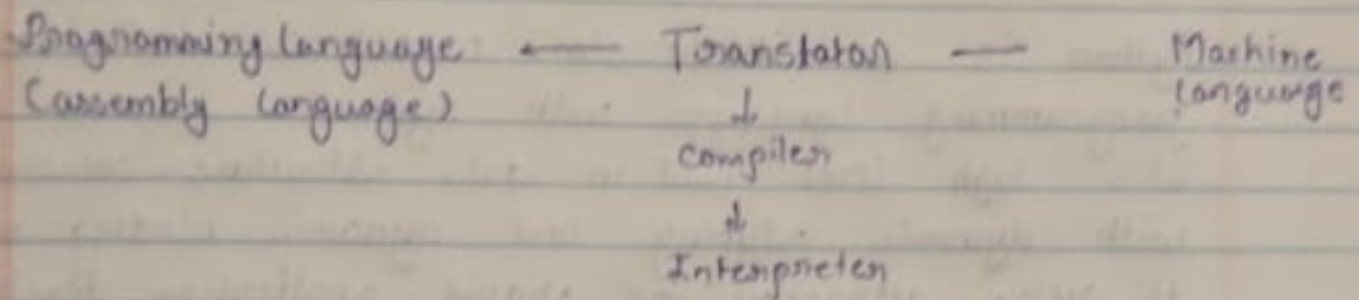What is programming language?

A programming language is any set of rules that convert string or graphical program elements in the case of visual programming language to various kind of machine code output

Programming language ———— Translator ———— Machine
(assembly language)   ↓   language
                                         compiler
                                           ↓
                                     Interpreter

Source code ——→ Both Assembly/ — Byte code
                        Machine language.

How to run python code

Code Editors	IDES	Notebook
VS Code	Pycharm	Jupyter - Notebook
	spyden	
	0.6. →	
	windows	

(.Py) extension is used

print (" SAIZ vidisha")

source code ——— Interpreter ——— Byte code ——— Virtual Machine
                                              Machine level ↵

Introduction to python programming ?

Python is an interpreter object oriented high level programming language with dynamic semantics. It's high level built in data structure combined with dynamic typing and dynamic binding make it very attractive for rapid application development as well as for use as a scripting or glue language to connect existing componed togethel

Python is simply easy to learn syntex emphasise readability and therefore reduce the cost of program maintuinance. Python support module and packages which encourage program modularity and code reuse

What can python do?

It can be used on da server to create wed applica It can be used along side software to create workflows.
It can be used to handle big data and perform complex mathematics. Can rapid prototyping of a production ready software development.