

Notepad = editor

Python Interpreter = **py** 3.12 / 3.13 version

INTERPRETER

read a line , translate to machine language , EXECUTE

COMPILER

read a line , translate to machine language , STORE IN A FILE

We use some executor to execute the compiled code

Variables do not have TYPE during declaration!!!

Types are **INFERRED** !!!

after we assign value , type will be decided !!!

Ex1. Create a variable x with values as follows

print x and the inferred type of x using the inbuilt type(x)

x=100

x= 34.56

x= "hello"

x = 'hi'

x= True

x= False

typesex.py

Run using the py command

Nested If -----

HW -----

Ex2 - accept a value from user [NESTED IF]

If the value is less than 100 then show whether it is a multiple of 7

Else show the number

Ex3 - accept the percentage from user , if the percentage in decimal point is between 60 to 70 then print first class

If the range is between 50 to 60 print second class

If 40 to 50 print 3rd class , less than 40 print failed, greater than 70 print distinction

(USE if elif , else , and)

If OPERATORS -----

< , > , <= , >= , == , != , and , or , not

