**PYTHON**

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* High level programming language.
* Interpreted
* Object oriented

<https://docs.python.org/3.13/tutorial/index.html>

to print something 🡪 print()

print (123)

string 🡪 print ("Wahidur Rahman")

**Backslash characters and comments**

Comment:

Single line comment 🡪#abc

Multiple line comment 🡪

*'''  
abc  
def  
ghi  
'''*

Backslash character/Escape sequence:

Print new line : \n

Tab distance : \t

To print double cotation(“”)🡪print ("\"Wahidur Rahman\"")

\”=”

\’=’

**Variables and Data Types**

name = ("Wahidur Rahman")  
age = 18  
print ("Our new student name is " + name)  
print(name + " is " , age , " years old.")  
print("At the age of ", age , "he learned python.")  
print(name + " lives in canad")

String+integer variable print in same line🡪string,int,string

print(name + " is " , age , " years old.")

**Basic Numerical Operations**

**Let,** a= 20, b = 3

+ 🡪 print(a + b) 🡪23

- 🡪 print(a - b) 🡪17

/ 🡪 print(a / b) 🡪6.666666666666667

\* 🡪 print(a \* b) 🡪60

% 🡪 print(a % b) 🡪2

//(Floor) 🡪 print(a // b) 🡪 6

\*\*(Exponentiation) 🡪 print(a // b) 🡪 8000 (it’s is power 2n)

**Getting User Input**

To take input 🡪 num=input()

Print with direction about input🡪 name = input("Enter your name: ")

**Type Casting**

Select type getting input 🡪 num1 = int(input("Enter first number: "))

Convert 🡪sum = num1 + int(num2)