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Python → Google colab

Go to Browser → Google colab → New notebook

Programiz.com → online Python interpritor

Python

↳ ~~Programming language~~, High level,
↳ General - Purpose
↳ Interpreted Programming language

Fundamental of Python

↳ (i) Variable
(ii) Data type
(iii) Input(), Print()

(i) Variable

↳ type of container → Store value in it.

Two types ↳ local variable
↳ Global variable

Global variable → Entirely modified → value.

Local variable → Specific Block of code modify.

2.) Data type

↳ Integer → All Positive or negative value.
ex → 34, 78, -12, 0 etc.

↳ Float → All decimal value.
ex → 1.0, 1.2, -12.90 etc

↳ String → 'sin', "Do", """ triple """.
→ 'Sam', "Sam", """ Sam """.

↳ Boolean → True, Flase
check. condition.

Note

type() → using this we check data type

ex → ① type(56).
→ int

② type(45.90)
→ float

③ type(56>88)
~~Boolean~~
Bool

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Type casting

↳ using type casting, we can convert or change value from one data type to another data type.

one data type ⟶ Another data type

Ex ⇒

input

```
a = 67
```

output

```
type(a)  → int
b = float(a)
type(b)  → float
b        → 67.0
```

Print( ) → It will execute our query on terminal.

Ex ⇒

```
a = 1
Print(a)                    → 1
Print("First line complete") → First line c
b = 2
Print(b)                    → 2
```

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input() → Pre defined function
→ Take query from user and send it to the function.
→ Output will be in String format

Ex

```
a = input("Enter First Number") → 1
b = input("Enter Second Number") → 2
c = a + b
c ⟶ '12'
```

It will concatinate
Bcs input() → String

```
a = int(input("Enter First number")) → 1
b = int(input("Enter Second number")) → 2
c = a + b ⟶ 1 + 2
c ⟶ 3
```

→ Addition / Sum