

04/sep/21

Comments:-

They are part of code but they won't consider in execution time.

Two types of comments in python

- 1) Single line comment (`#`)
- 2) Multi line comment (`''' '''` or `""" """`)

Keywords:-

They are the reserved words used for particular task and they can't be used as identifiers (variables, fun name, etc)

Eg:- True, false, for, if, else, while, break e.t.c

Variables:-

Take 2 input and do sum then multiply that sum with 10 then divide that by 5.

$a=5$

$b=7$

$s=a+b$

$m=s*10$

$d=m/5$

It is place to store our values

ex:- $a=5$

a is variable

5 is value.

Valid variable declaration:-

a = 5

A = 7

num = 11

Num1 = 89

Num2 = 15

Empid = 123

emp_name = "Cherry"

emp_no = 9154521801

Invalid

Variable should not start with the numbers

1n = 35

We should not give the space between the words

Data types:-

It is a pre defined component and specify the data category.

Persons:-

name = str (alpha)

age = int

Phn no = int

Place = str

job = str

Insta Id = str

ns status = str

edu = str

Salary = float

height = float

weight = float

Gender = str

hobbies = str

DOB = str (convert to date using library)

nationality = str

address = str

food = str

fav place = str

Python data types

int

float

Complex (Real & Imaginary $5j+8$).

String

bool

Special datatypes (data structure)

list

tuple

set

dictionary

Single line to assign means

$a=4; b=6; c=7$

$a, b, c = 4, 6, 7$

Input and output function \rightarrow display from the user

Take it from the user

Input function: `input()`

`a=input()`

output function: `print()`

String Concatenation

`a = int(input("Enter a number"))`

Enter a number 7

`type(a)`

int

`b = int(input())`

2

`type(b)`

int

Q write a program to read employee id, employee name, employee phone num and print the details.

Q take 2 float numbers from user.

```
x = float(input("enter a value:"))
```

```
y = float(input("enter a value:"))
```

```
Print(x+y)
```

```
Print(x, "+", y, "=", x+y)
```

```
Print("sum of:", x, "+", y, "=", x+y)
```

enter a value : 6

enter a value : 4

10.0

6.0 + 4.0 = 10.0
Sum of: 6.0 + 4.0 = 10.0

#. format method

```
Print("Sum of {} + {} = {}".format(x, y, x+y))
```

#. string method

```
Print(f"Sum of {x} + {y} = {x+y}")
```

```
a = int(input("the employee id is:"))
```

```
b = str(input("the employee name is:"))
```

```
c = str(input("the employee num. is:"))
```

```
Print(a, b, c)
```