

MITS college (heading 1)

MITS College

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Bold, italic, bold and italic

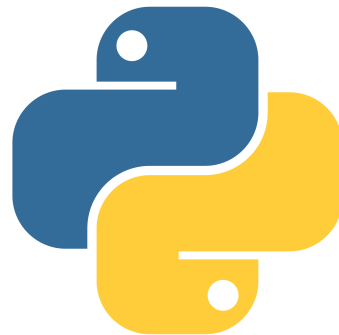
Python *Python*

Python

Sublist (bullet points)

- APSSDC
- APSSDC

Displaying an image



In [1]: 1 20+30

Out[1]: 50

Variable

```
In [2]: 1 a = 23445252525243534
        2 a
```

```
Out[2]: 23445252525243534
```

Rules to declare variables

- it doesn't be a number
- any special characters will not be allowed except _
- No space will be allowed
- pre defined keywords

```
In [ ]: 1
```

```
In [3]: 1 1 = 10
```

...

```
In [28]: 1 name1 = 10    # Single variable assignment
        2 name1
        3 name_2 = 10
        4 name_2
        5
        6 a,b = 20,30
        7 print(a)
        8 print(a,b)
```

```
20
20 30
```

```
In [13]: 1 len = 10
        2 len
        3 sum = 10
        4
```

commenting a line or more than one line

```
In [23]: 1 # This is the first program
        2 # I am using print statement
        3
        4 print("MITS college")    # print statement is used to print the output
```

```
MITS college
```

```
In [21]: 1  """This is the first program
          2  I am using print stament
          3  '20+30'"""
```

```
Out[21]: 'This is the first program\nI am using print stament\n20+30'
```

```
In [12]: 1  # the addition of two numbers a, b is 40
          2  a = 200
          3  b = 300
          4  print("the addition of two numbers a, b is a")
          5  print("the addition of two numbers a, b is ",a+b)
```

```
the addition of two numbers a, b is a
the addition of two numbers a, b is  500
```

```
In [11]: 1  # the addition of two numbers 20, 30 is 50
          2  print("The addition of two numbers",a,",",b," is ",a+b)
```

```
The addition of two numbers 200 , 300  is  500
```

```
In [14]: 1  a = 100
```

```
In [15]: 1  a
```

```
Out[15]: 100
```

```
1  ##### Data types
2
3  * int
4  * float
5  * string ==> ""
6  * boolean
```

Type casting or type conversion

```
In [19]: 1  n = 123 # int<float<string
          2  type(n)
          3  float(n)
          4  str(n)
          5  n1 = 10.2
          6  str(n1)
          7
```

```
Out[19]: '10.2'
```

Reading the input dynamically

- input() # all the data take only of string type
- int(input()) # we have to only integer values
- float(input()) # to accept only float values

```
In [23]: 1 a = int(input())
          2 b = int(input())
          3 a+b
```

50

50

Out[23]: 100

```
In [24]: 1 a = float(input())
          2 b = float(input())
          3 a+b
```

10

20

Out[24]: 30.0

```
In [3]: 1 a = input("enter your first name")
          2 b = input("enter your second name")
          3 a+b # joining the strings
          4
```

enter your first nameSri

enter your second nameLalitha

Out[3]: 'SriLalitha'

```
In [2]: 1 a = int(input("enter number 1"))
          2 b = int(input("enter number 2"))
          3 a+b
```

enter number 120

enter number 250

Out[2]: 70

```
1 ##### Operators
2
3 * Arthimatic operators
4
5 * +,-,*,/,%,//,**(Power of a number)
```

In [1]:

```
1 a = 64
2 b = 30
3 print(a/b) # Quotient
4 print((a//b)+1)
5 print(a%b) # reminder value
6 print(a**2) # 80*80 (squaring a number)
7 print(a**0.5)
```

2.1333333333333333

3

4

4096

8.0

In []:

1