MITS college (heading 1)

MITS College

MITS college

######## MITS college

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]:
```
a = 23445252525243534
a
```

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

Rules to declare variables

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

In [ ]:
```

```

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

...

In [28]:
```
name1 = 10   # Single variable assignment
name1
name_2 =10
name_2

a,b =20,30
print(a)
print(a,b)
```

```
20
20 30
```

In [13]:
```
len = 10
len
sum = 10

```

commenting a line or more than one line

In [23]:
```
# This is the first program
# I am using print stament

print("MITS college")   # print statement is used to print the output
```

```
MITS college
```

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

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

In [12]:
```
# the addition of two numbers a, b is 40
a = 200
b = 300
print("the addition of two numbers a, b is a")
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]:
```
# the addition of two numbers 20, 30 is 50
print("The addition of two numbers",a,",",b," is ",a+b)
```

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

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

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

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

```
#### Data types

* int
* float
* string  ==> ""
* boolean
```

Type casting or type converstion

In [19]:
```
n =  123 # int<float<string
type(n)
float(n)
str(n)
n1 = 10.2
str(n1)

```

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]:
```
a = int(input())
b = int(input())
a+b
```

```
50
50
```

Out[23]:
```
100
```

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

```
10
20
```

Out[24]:
```
30.0
```

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

```

```
enter your first nameSri
enter your second nameLalitha
```

Out[3]:
```
'SriLalitha'
```

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

```
enter number 120
enter number 250
```

Out[2]:
```
70
```

```
##### Operators

* Arthimatic operators

* +,-,*,/,%,//,**(Power of a number)
```

In [1]:

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

```
2.1333333333333333
3
4
4096
8.0
```

In [ ]:

```

```