```
45+66
```

```
111
```

```
a = 4
```

```
# To display message in output screen
print('HELLO CODERS')
```

```
HELLO CODERS
```

```
print(4)
```

```
4
```

```
# Assign string to variable
b = 'hello dear coder 56'
```

```
b
```

{"type":"string"}

```
print(b)
```

```
hello dear coder 56
```

```
pwd
```

{"type":"string"}

```
# To connect your google drive with google colaboratory
from google.colab import drive
drive.mount('/content/drive')
```

```
Mounted at /content/drive
```

```
#this is a command to assign to the variables
#a = 4
b = 4   # here 4 vale is assigned to the variables b

"""

c = 6
c = 45
d = 56
"""
e = 9

#k = keywords
#def
#none
#true
#false
```

```python
#I = Identifiers

# store different-different data types into different-different
variables
a = 4
b = 4.5
c ='coders'
d = 3 + 5j
e = 5**3
f = 9/2
g = 9//2
h = None

d.real

3.0

# True + False always True
True+False

1

# Manage conditional Statement if we display one condition (if
condition only )
if a < 6 and a > 9:
  print('Rahul Kumar Mehta')

# Manage conditional Statement if we display two condition ( if - else
condition both )
food = 'pasta'
if food is None:
  print('just in some time,let the class finish')
else:
    print('Here is',food)

Here is pasta

# Manage conditional Statement if we display more condition ( if -
elif - else condition both )
age = 25
if age <20:
  print('you might be right')
elif 21<age<23:
  print('age will definetly lie between this range')
else:
  print('I Rahul Kumar Mehta verify that my age is:',age)

I Rahul Kumar Mehta verify that my age is: 25

# For Loop control statement
for simran in [0,1,2,3]:
```

```python
    print(simran**2)

for i in range(-3,4):
    print(i**2)
```

```
0
1
4
9
9
4
1
0
1
4
9
```

```python
# To store number form 1 to 20 as well as its square and cube using
for loop control structure
n = []
sq =[]
cb = []

for i in range(20):
    a = i
    b = i**2
    c = i**3

    n.append(a)
    sq.append(b)
    cb.append(c)

n
```

```
[0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19]
```

```python
sq
```

```
[0,
 1,
 4,
 9,
 16,
 25,
 36,
 49,
 64,
 81,
 100,
 121,
```

```
 144,
 169,
 196,
 225,
 256,
 289,
 324,
 361]
```

cb

```
[0,
 1,
 8,
 27,
 64,
 125,
 216,
 343,
 512,
 729,
 1000,
 1331,
 1728,
 2197,
 2744,
 3375,
 4096,
 4913,
 5832,
 6859]
```

```python
# Used for visualize our data in graphical representation
import matplotlib.pyplot as plt   # For plot representatin we need to
import matplotlib.pyplot library
plt.plot(n,sq,'.-',n,cb,'*-')
plt.show()
```