```
from google.colab import drive
drive.mount('gdrive')
```

```
Mounted at gdrive
```

Double-click (or enter) to edit

```
print("Hello \nWorld")
```

```
Hello
World
```

```
#This is a python comment
```

```
oursum = 56 +78 +74 +93873 + 353 + 65
```

```
print(oursum)
```

```
94499
```

+ Code + Text

```
ournewsum = oursum * 5000
```

```
print(ournewsum)
```

```
472495000
```

```
#Integer

ourint = 56
print(ourint)
```

```
     56


#Float

ourfloat = 54.3
print(ourfloat)

     54.3


#String
ourstring = "This is my string test"
print(ourstring)

     This is my string test


#print character 8
print(ourstring[8])

     m


# print everything from character 8 to the end

print(ourstring[8:])

     my string test


#print all characters from the beginning and stop at character 9, that is, do no include anything from character 10 to the end.
print(ourstring[:10])

     This is my


#print from index 8 to index 17
print(ourstring[8:17])
```

```
my string
```

Basic Operators

Arithmetic Operators

```
# Addition +

6 + 6
```

```
12
```

```
var1 = 7
var2 = 8
var1 + var2
```

```
15
```

```
#Subtraction -
8 -4
```

```
4
```

```
var1 = 21
var2 = 12
var2 - var1
```

```
-9
```

```
#Multiplication *

6 * 7
```

```
     42
```

```
var1 = 9
var2 = 18
var1 * var2
```

```
     162
```

```
#Division /
9/3
```

```
     3.0
```

```
var1 = 11
var2 = 3
var1/var2
```

```
     3.6666666666666665
```

```
#Modulus %

11 % 3
```

```
     2
```

```
var1 = 23
var2 = 7
var1 % var2
```

```
     2
```

```
# Floor division //
11 // 2
```

```
     5
```

```
11 % 2
```

```
     1
```

```
# Exponential **
```

```
5 ** 7
```

```
     78125
```

```
5**2
```

```
     25
```

```
femi = 56
chidi = 76
```

```
femi + chidi
```

```
     132
```

```
print("Chidi \n" * 10)
```

```
     Chidi
     Chidi
     Chidi
     Chidi
     Chidi
     Chidi
     Chidi
     Chidi
     Chidi
     Chidi
```

```
     Chidi
```

Comparison Operator

```
# equals to comparison ==

8 == 8

     True


8 == 7

     False


myv1 = 8
myv2 = 8
myv3 = 10


myv1 == myv2

     True


myv1 == myv3

     False


# Not equals to !=

8 != 8

     False
```

```
8 != 9
```

```
     True
```

```
# Greater than
```

```
7 > 6
```

```
     True
```

```
4 > 5
```

```
     False
```

```
8 > 8
```

```
     False
```

```
#Less than <
```

```
5 < 8
```

```
     True
```

```
5<2
```

```
     False
```

```
# Greater than or equals to >=
```

```
6 >= 6
```

```
     True
```

```
#Less than or equals to <=
```

```
6<=8
```

```
     True
```

```
6 <= 6
```

```
     True
```

```
6<=4
```

```
     False
```

Assignment Operator

```
# equals to =
```

```
myvar = 5 + 6
print(myvar)
```

```
     11
```

```
var1 = 3
```

```
var1 = 6
```

```
print(var1)
```

```
     6
```

```
var1 = var1 + 7
```

```
var1
```

```
     13
```

```
var1 = 6
```

```
var1 += 7
```

```
var1
```

```
     13
```

```
var3 = 10
var3 -= 3
```

```
var3
```

```
     7
```

```
# or and
```

```
6 == 6 and 7 ==7
```

```
     True
```

```
6 == 6 or 7 ==7
```

```
     True
```

```
6 == 6 and 7 ==8
```

```
     False
```

```
6 == 6 or 7 ==8
```

```
     True
```

Python List

```
mylist = ['Femi likes food','Kunle','Ziva',782, 464, 89]
```

```
mylist[0]
```

```
     'Femi likes food'
```

```
mylist[2]
```

```
     'Ziva'
```

```
mylist[2:6]
```

```
     ['Ziva', 782, 464, 89]
```

```
mylist[:3]
```

```
     ['Femi likes food', 'Kunle', 'Ziva']
```

```
mylist[2:]
```

```
['Ziva', 782, 464, 89]
```

```
len(mylist)
```

```
6
```

```
secondlist = [5,7,6,3,2,5]
```

```
max(secondlist)
```

```
7
```

```
min(secondlist)
```

```
2
```

```
#Add new value to the list
secondlist.append(9)
```

```
secondlist
```

```
[5, 7, 6, 3, 2, 5, 9]
```

```
#Delete a value from a list
del secondlist[1]
```

```
secondlist
```

```
[5, 6, 3, 2, 5, 9]
```

Dictionary

```
mydiction = {
               'name':'Femi Oyebamiji',
               'amount':'900000',
               'day':'Monday',
               'location':'Lagos'
               }
```

```
mydiction['amount']
```

```
     '900000'
```

```
mydiction['name']
```

```
     'Femi Oyebamiji'
```

```
del mydiction['day']
```

```
mydiction
```

```
     {'amount': '900000', 'location': 'Lagos', 'name': 'Femi Oyebamiji'}
```

Python Loops

```
ourlist = ['Femi','Kunle','Emeka', 'Kabiru','Praise','Dave']
```

```
z = 'femi'
```

```
print(z)
```

```
     femi
```

```
z = 'kunle'
```

```
print(z)
```

```
     kunle
```

```
for z in ourlist:
  print(z)
```

```
     Femi
     Kunle
     Emeka
     Kabiru
     Praise
     Dave
```

```
newlist = [6,6,7,3,2,0,8,9]
```

```
squarelist = []
```

```
for y in newlist:
  square = y ** 2
  squarelist.append(square)
  print(square)
```

```
     36
     36
     49
     9
     4
     0
```

```
    64
    81
```

```
squarelist
```

```
    [36, 36, 49, 9, 4, 0, 64, 81]
```

Decision Making

```
myval = 7

if ( myval == 7):
  print('You have a seven')
```

```
    You have a seven
```

```
if ( myval == 8):
  print('You have a seven')
else:
  print('That is not true')
```

```
    That is not true
```

```
myval = 90


if ( myval == 8):
  print('You have eight')
elif (myval == 7):
  print('That is it')
else:
  print("I can't get that")
```

```
    I can't get that
```

Function

```
def getCharges(supplied_value):
  return print(supplied_value * 50000)


ourvar = 78


getCharges(ourvar)
```

```
     3900000
```