

```

In [21]: #print
print('hello world')
print('my name is aziz')

hello world
my name is aziz

In [22]: #variables type string
name = 'Aziz'
print(name)

Aziz

In [23]: print('hello '+name)

hello Aziz

In [24]: #type is fuc that tell the data type
print(type(name))

<class 'str'>

In [25]: #type string
first_name = 'aziz'
last_name = 'alq'
full_name = first_name+' '+last_name
print(full_name)

aziz alq

In [26]: #type int
age = 21
age = age +1
print(age)

22

In [27]: #short cut for age = age+1
age += 1
print(age)

23

In [28]: print(type(age))

<class 'int'>

In [29]: #string and int
print('your age is:'+age)

-----
TypeError                                Traceback (most recent call last)
<ipython-input-29-25e36557a8f4> in <module>
      1 #string and int
----> 2 print('your age is:'+age)

TypeError: can only concatenate str (not "int") to str

In [30]: #oh somting wrong to fix that we must do casting
print('your age is:'+str(age))

your age is:23

In [31]: #float data type
height = 250.5
print(height)
#data type
print(type(height))

250.5
<class 'float'>

In [32]: #String and float
print('your height is:'+height)

-----
TypeError                                Traceback (most recent call last)
<ipython-input-32-624673188a57> in <module>
      1 #String and float
----> 2 print('your height is:'+height)

TypeError: can only concatenate str (not "float") to str

In [33]: #again wrong why we must do casting
print('your height is:'+str(height))

```

your height is:250.5

```
In [36]: #boolean data type true or false
male = True
print(male)
print(type(male))
```

```
True
<class 'bool'>
```

```
In [38]: #String and boolean
print('male:'+str(male))
```

```
male:True
```

```
In [39]: #multiple assigment
name = 'aziz'
age = 20
male = True
print(name)
print(age)
print(male)
```

```
aziz
20
True
```

```
In [40]: #another way
name,age,male = 'aziz',20,True
print(name)
print(age)
print(male)
```

```
aziz
20
True
```

```
In [41]: #the same value
aziz_age = 10
ali_age = 10
saad_age = 10
print(aziz_age)
print(ali_age)
print(saad_age)
```

```
10
10
10
```

```
In [42]: #another way
aziz_age = ali_age = saad_age =20
print(aziz_age)
print(ali_age)
print(saad_age)
```

```
20
20
20
```

```
In [43]: #and another way for pranting
print(aziz_age,ali_age,saad_age)
```

```
20 20 20
```

```
In [44]: #and also we can
print("aziz age:",aziz_age,"ali age:",ali_age,"saad age:",saad_age)
```

```
aziz age: 20 ali age: 20 saad age: 20
```