Python ka chilla with #baba aammar

How to use jupyter notebook

Basics of python

01- my first program

In [1]:
```
print(2+3)
print("Hello World!")
print("Learning python with Dr. Aaammar")
```

```
5
Hello World!
Learning python with Dr. Aaammar
```

02- operators

In [2]:
```
print(3+3)
print(4-3)
print(3*3)
print(6/3)
print(6//3)
print(6//3+9-3)
```

```
6
1
9
2.0
2
8
```

PEMDAS Product, Exponent, Multiply, Divide, Addition, Subtraction Left to Right sequence M D & A S

03- strings

In [3]:
```
print("HELLO")
print('HELLO')
print('''HELLO''')
print("What's up")
```

```
HELLO
HELLO
HELLO
What's up
```

04- comments

The shortcut key to comments is **Ctrl + /**

In [4]:
```
print("HELLO")
```

```
HELLO
```

Ctrl + / to comment out

05- variables

In [5]:
```
x=5
print(x)
y="Learning PYTHON with De. Aammar"
print (type(x))
print (type(y))
fruit_basket = 8
fruit_basket="mangoes"
del fruit_basket
```

```
5
<class 'int'>
<class 'str'>
```

print(fruit_basket)

06- input_variable

*input_function haider\

name=input("What is your name? ") greetings = "Hello!" print(greetings, name)

name=input("What is your name? ") greetings = "Hello!" print("Hello!", name)*

In [ ]:
```
name=input("What is your name?  ")
age = input("How old you are? ")
```

greetings = "Hello!"

In [ ]:
```
print("Hello!", name, ",You are still young")
```

07- conditional_logic

greater than > less than < equal to == less than equal to <= greater than equal to >= not equala t !=

print(4==4) print(4==4)

print(4==4) print(4!=4) print(4<=5) print(4>=6) print(4<=9) print(4>8)

applications

hammad_age=4 age_at_school=5 print(hammad_age==age_at_school) input functions and logical operators hammad_age=input("How old is hammad? ") hammad_age=int(hammad_age)

#converting input from string to int type print (type(hammad_age)) age_at_school=5 print(hammad_age==age_at_school)

Use of Greater than Equals to

In [ ]:
```
hammad_age=input("How old is hammad?  ")
hammad_age=int(hammad_age)  #converting input from string to int type
print (type(hammad_age))
age_at_school=5
print(hammad_age>=age_at_school)
```

08- type_conversion

In [ ]:
```
x= 10
y= 10.2
z= "Hello"
```

implicit type conversion

In [ ]:
```
x=x+y
x=x*y
print(x,"Type of x is:  ", type(x))
```

explicit type conversion

In [ ]:
```
age=input("What is your age?  ")
age=int(age)
print(age, type(int(age)))
```

print(age, type(float(age))) print(age, type(str(age)))

name name=input("What is your name? ") name=str(name) *print(age, type(int(age)))* print(age, type(float(age))) *print(age, type(str(age)))*