**Comments in Python**

#This is a simple comment  
print("Hello, World!")

-----------------------------------------------------------------------

"""  
This is a comment  
written in  
more than just one line  
"""  
print("Hello, World!")

-----------------------------------------------------------------------

**String Methods**

a = "Hello, World!"  
print(a.lower())

-----------------------------------------------------------------------

a = "Hello, World!"  
print(a.upper())

-----------------------------------------------------------------------

a = "Hello, World!"  
print(a.replace("H", "Y"))

-----------------------------------------------------------------------

a = "Hello, World!"  
print(len(a))

-----------------------------------------------------------------------

**parentheses in python**

x = list()

print(x)

x = tuple()

print(x)

x = dict()

print(x)

x = bool()

print(x)

-----------------------------------------------------------------------

**List**

students = ["mohammed", "faisal", "ahmed", "ali"]

print(students)

-----------------------------------------------------------------------

mylist = ["Khalid", 90, "Rayan", 90.5,777777777,4j,]

print(mylist)

-----------------------------------------------------------------------

city = ["riyadh", "Jeddah", "Makkah", "Dammam"]

print(city[0])

print(city[-1])

print(city[:3])

-----------------------------------------------------------------------

**Dict**

car = {

"brand": "Ford",

"model": "Mustang",

"year": 1964

}

print(car)

print(car["year"])

-----------------------------------------------------------------------

mydict = {

"name": "khalid",

"age" : 22,

"hobbies": ["Foodball","Swimming","reading"]

}

print(mydict["hobbies"])

-----------------------------------------------------------------------

**Dictionary Functions**

**(len)**

Students = {

1: 'Ahmad',

2: 'Faisal',

3: 'Rayan'

}

print(len(Students))

High level question!

**.Clear()**

Students = {

1: 'Ahmad',

2: 'Faisal',

3: 'Rayan'

}

Students.clear()

print(Students)

-----------------------------------------------------------------------

**.pop()**

Students = {

1: 'Ahmad',

2: 'Faisal',

3: 'Rayan'

}

Students.pop(1)

print(Students)

-----------------------------------------------------------------------

**.keys()**

Students = {

1: 'Ahmad',

2: 'Faisal',

3: 'Rayan'

}

print(Students.keys())

**.values()**

Students = {

1: 'Ahmad',

2: 'Faisal',

3: 'Rayan'

}

print(Students.values())

-----------------------------------------------------------------------

**Add new Item**

Students = {

1: 'Khalid',

2: 'Faisal',

3: 'Rayan'

}

Students [4] = 'Nawaf'

print(Students)

-----------------------------------------------------------------------

**Replace item in Dictionary**

Mycar = {

"brand": "Ford",

"model": "Mustang",

"year": 1964

}

Mycar["year"] = 2018

print(Mycar)

**Delete Dictionary**

Mycar = {

"brand": "Ford",

"model": "Mustang",

"year": 1964

}

del Mycar

print(Mycar)

**input**

-----------------------------------------------------------------------

x = input('Enter your name:')

print(x)

-----------------------------------------------------------------------

x = input('Enter your name:')

print('Your Name Is:' + x)

-----------------------------------------------------------------------

x = input('Enter your name:')

print(type(x))

name = input("Enter Employee Name")

salary = input("Enter salary")

company = input ("Enter Company name")

print("Printing Employee Details")

print ("Name", "Salary", "Company")

print (name, salary, company)