**For me**

**Print:**

Print("Pakistan")

**Taking input:**

Name = input("Enter your name")

**If statement:**

Animal = input("Enter the name of animal")

if Animal == "cat":

print("yes this is a cat")

**While loop:**

count = 1

while count <= 10:

print(2\*count)

count = count + 1

**For loop:**

for i in range(1,11):

print(2, "X", i , "=", 2\*i)

**Set:{}**

**Insertion of only same data type**

A = {1, 2, 3}

A = set ('qwerty')

print (A)

**List:[]**

**Insertion of different data type (we can update the value)**

names = ["Qasim","Ali","Hamza",7, 8, 9]

print(names)

……For accessing specific object

name[3]

name[2:4]

To insert data in the list

List.append("pakistan")

List[5] = "Pakistan"

**Tuple:()**

**Insertion of different data type(we cannot update the value)**

tup1 = ('physics', 'chemistry', 1997, 2000);

tup2 = (1, 2, 3, 4, 5, 6, 7 );

print "tup1[0]: ", tup1[0];

print "tup2[1:5]: ", tup2[1:5];

**Dictionary:{}**

#dic[key]

information = {} #empty

user\_id = input("Enter your ID")

information['id'] = user\_id

name = input("Enter your name")

information['name'] = name

skills = input("Enter your skills with','seprated values")

information['skills'] = skills.split()

information

How to insert new value in the dictionary

pakistan={ "panjab":"Israr",

"sindh":"imran"

}

pakistan["kpk"]="pthan"

**Functions:**

**def** abc(): *# Function Dec*

print("Pakistan Zinda Bad") *# Funciton Body statment1*

print("We are pakistani") *# Statment2*

print("We love our country!")*#Statment3*

*# Defualt Function*

abc() *# Function Calling*

**Required Arguments:**

**def** id\_card(sid, sname,fname,course, timing):

text = """

PIAIC Islamabad id: **{}**

Name: **{}**

father's Name: **{}**

course: **{}**

timing: **{}** """.format(sid,sname,fname,course,timing)

print(text)

id\_card(1,"Ali",'Hamza','A.I','9 to 12')

id\_card(2,"Kashif","Kamran","Cloud Computing", "3:30 to 6:30")