

***Lab No 2:***

Artificial Intelligence

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# while loop

count = 0

while (count < 3):

    count = count + 1

    print("Hello Faheem")

# For Loop

print ("List Iteration")

l = ["Geek" , "For" , "Geek"]

for i in l:

    print(i)

print ("\nTuple Iteration")

t = ["Geek" , "For" , "Geek"]

for i in t:

    print(i)

print ("\nstring Iteration")

s = "Geek"

for i in s:

    print(i)

# Iteration by index

list = ["Geek" , "For" , "Geek"]

for index in range(len(list)):

    print (list[index])

# coutinue and break statement

for letter in "geekforgreek":

    if letter=='e' or letter=='s':

        continue

    print ('current letter:'), letter

    var = 10

for letter in "geekforgreek":

    if letter=='e' or letter=='s':

        break

    print ('current letter:'), letter

# function

def my\_function():

    print("hello, the is my function")

my\_function()

def tahir():

    print("Useless person")

    print("Ali sab friend ")

haris()

def my\_funtion1(country):

    print("I am from " + country)

my\_funtion1("Pakistan")

my\_funtion1("China")

my\_funtion1("UK")

def my\_funtion2(Father):

    print("Tahir is Musa " + Father)

my\_funtion2("Father")

def my\_function3(food):

    for i in food:

        print(i)

my\_function3("tahir")

furits = ["apple" , "banana" , "cheery" ]

def my\_function4(furits):

    for i in furits:

        print(i)

my\_function4(furits)

def my\_function5(x):

    return 5\*x

print(my\_function5(5))

print(my\_function5(3))

def my\_child(child1 , child2 , child3):

    print("my youngest child is " + child1)

    print("my youngest child is " + child3)

    print("my youngest child is " + child2)

my\_child("Muhammad Musa ", "……. " , "…..")

# Classes

class my\_class():

    x = 5

p1 = my\_class()

print(p1.x)

class person():

    def \_\_init\_\_(self , name , age):

        self.name = name

        self.age = age

p1 = person("john",36)

print(p1.name )

print(p1.age)