**Level 1: Input & Logic**

2. In the Black area of the IDE Python first asks the user their name. Here Python is asking for input from the user. After the user provides the input, Python prints, (“Hi”, name input(), “how are you?”). This is the output python gives when the user types in their name.

3. print("Type your name:")

name = input()

myname = "Raghav"

if name == myname:

print("Hello Me!")

elif name == "Dylan":

print("Hello Friend!")

else:

print("Who are you?!?")

**Level 2: Loops**

1. for mynum in [0, 1, 2, 3, 4]:

print("Hello", mynum)

for mynum in [0, 1, 2, 3, 4]:

print("Hello", mynum)

for mynum in [0, 1, 2, 3, 4]:

print("Hello", mynum)

for mynum in [0, 1, 2, 3, 4]:

print("Hello", mynum)

for mynum in [0, 1, 2, 3, 4]:

print("Hello", mynum)

Resulting output :

Hello 0

Hello 1

Hello 2

Hello 3

Hello 4

Hello 0

Hello 1

Hello 2

Hello 3

Hello 4

Hello 0

Hello 1

Hello 2

Hello 3

Hello 4

Hello 0

Hello 1

Hello 2

Hello 3

Hello 4

Hello 0

Hello 1

Hello 2

Hello 3

Hello 4

2. b) The highest list index is 4.

c) for myfriends in ["Dylan","Raj","Gurjap","Jaskaran","Anikat"]:

print ("Hello", myfriends)

Resulting Output:

Hello Dylan

Hello Raj

Hello Gurjap

Hello Jaskaran

Hello Anikat

3) b) mycount = 0

while (mycount <= 5):

print('The count is:', mycount)

mycount = mycount + 1

The count is: 0

The count is: 1

The count is: 2

The count is: 3

The count is: 4

The count is: 5

4) c)

myfriends = ["Dylan","Raj","Gurjap","Jaskaran","Anikat"]

f=0

while f<len(myfriends):

print("Hello" + " " + myfriends[f])

f+=1

Hello Dylan

Hello Raj

Hello Gurjap

Hello Jaskaran

Hello Anikat

**Level 3: Functions**

def tie\_shoe():

print ("Tie a knot")

print ("Make a loop on both laces")

print ("Tie a knot with the loops")

print ("Pull on the loops until shoes are tied")