In this lecture, The third part of the first module was covered. Which is “Input-Output & comments”

**Input methods:**

* *Traditional method*

Variable name = input(“Statement”)

EG: a = input(“give a number”)

Here, It will take only 1 input which is a string type

* *Multiple inputs at once method*

Variable1 name, Variable2 name….Variablen name = input(“Statement”).split()

EG: a,b,c = input(“give 3 numbers”).split()

Here, It will take 3 inputs at once but all of them are string types

* *Multiple inputs with same specific types at once method*

Variable1 name, Variable2 name….Variablen name = map(data type, input(“Statement”).split())

EG1: a,b,c = map(int, input(“give 3 numbers”).split())

Here, It will take 3 numeric inputs at once but all of them are int types. Another example given below,

EG2: a,b,c = map(float, input(“give 3 numbers”).split())

Here, It will take 3 numeric inputs at once but all of them are float types

**Output methods:**

* *Traditional method*

print(“Statement”, variable)

EG: print(“the sum is”, sum)

Here, It will simply print the sum with the statements

* *Other method*

print(“Statement verbiage {0} Statement verbiage {1} Statement verbiage {2}”.format(variable0,variable1,variable2))

EG: print(“the sum {0} and {1} and {2} is {3}”.format(1,2,3,sum))

*Output*

6

Here, It will simply put the variables according to the indexes.

* *Multiple output in one line*

print(first variable, end = ‘’)

print(second variable)

EG:

Let a = 11 & b = 12

print(a, end=‘’)

print(b)

*Output*

*11 12*

Here, It will simply print the two outputs ignoring the default new line.

* Use of specification

print(“statement %.nf” %variable)

EG:

print(“The value of pi is %.4f” %math.pi)

*Output*

3.1416

This simply gives us the number of decimals we want to see. In the n part, We specify the number of decimals we want to see which is in this case, 3

**Commenting**

* To do a single line comment, We can simply put a hash(#) before the line and the code will not execute this line

EG:

A = 1

#Ignore this line

B = 2

Sum = A+B

output(sum)

*Output*

3

* To do multiple line commenting, We have to use triple quote

EG:

A = 1

“‘Ignore this line

And this line

And this line’ too”

B = 2

Sum = A+B

output(sum)

*Output*

3