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")
  <u>EG:</u> 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()
  <u>EG:</u> 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())

  <u>EG1:</u> 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,
  <u>EG2:</u> 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)
  <u>EG:</u> 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))
  <u>EG:</u> 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)
  <u>EG:</u>
  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)
  <u>EG:</u>
  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
  <u>EG:</u>
  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