***One Week STTP on “Python Programming”***

**Day – 2 – 23 June 2020**

***Sample Programs:***

If:

* >>> a=10
* >>> b=10
* >>> if a==b:
* ... print("Equal")
* ... print("OK")
* ...
* Equal
* OK
* >>>

If …. Else:

* >>> a=10
* >>> b=15
* >>> if a==b:
* ... print("Equal")
* ... else:
* ... print("Not Equal")
* ...
* Not Equal
* >>>

If … Elif:

* >>> a=100
* >>> if a==100:
* ... print("True")
* ... elif a>100:
* ... print("Biggest")
* ... elif a<100:
* ... print("Smallest")
* ... else:
* ... print(a)
* ...
* True
* >>>

Nested if:

* >>> a=100;b=100
* >>> if a==b:
* ... if a>b:
* ... print("a is Big")
* ... else:
* ... print("Not")
* ... elif a<b:
* ... print("a is small")
* ... else:
* ... print("a is Big")
* ...
* Not
* >>>

While loop:

* >>> a=1
* >>> while a<10:
* ... print("a=",a)
* ... a+=1
* ...
* a= 1
* a= 2
* a= 3

For loop:

* >>> for abc in list(range(4)):
* ... print("ABC=",abc)
* ...
* ABC= 0
* ABC= 1
* ABC= 2
* ABC= 3
* >>>

Nested loop:

* >>> for i in range(1,11):
* ... for j in range(1,11):
* ... k = i\*j
* ... print (k, end=' ')
* ... print()
* ...

Break:

* >>> for letter in 'Python':
* ... if letter == 'h':
* ... break
* ... print ('Current Letter :', letter)
* ...
* Current Letter : P
* Current Letter : y
* Current Letter : t
* >>>
* >>> var = 10
* >>> while var > 0:
* ... print ('Current variable value :', var)
* ... var = var -1
* ... if var == 5:
* ... break
* ...
* Current variable value : 10
* Current variable value : 9
* Current variable value : 8
* Current variable value : 7
* Current variable value : 6
* >>>

Continue:

* >>> for letter in 'Python':
* ... if letter == 'h':
* ... continue
* ... print ('Current Letter :', letter)
* ...
* Current Letter : P
* Current Letter : y
* Current Letter : t
* Current Letter : o
* Current Letter : n
* >>>
* >>> var = 10
* >>> while var > 0:
* ... var = var -1
* ... if var == 5:
* ... continue
* ... print ('Current variable value :', var)
* ...
* Current variable value : 9
* Current variable value : 8
* Current variable value : 7
* Current variable value : 6
* Current variable value : 4
* Current variable value : 3
* Current variable value : 2
* Current variable value : 1
* Current variable value : 0

Pass:

* **>>> for letter in 'Python':**
* **... if letter == 'h':**
* **... pass**
* **... print ('This is pass block')**
* **... print ('Current Letter :', letter)**
* **...**
* **Current Letter : P**
* **Current Letter : y**
* **Current Letter : t**
* **This is pass block**
* **Current Letter : h**
* **Current Letter : o**
* **Current Letter : n**

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