**CMPR114**

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Objectives:

* Working with Tuples

#1 Find the sum of this Tuple using while loop test\_tup = (15, 20, 123, 47, 26, 81)

**#1 print screen the output with code below here.**

**Code**

**test\_tup = (15, 20, 123, 47, 26, 81)**

**s = 0**

**i = 0**

**while(i < len (test\_tup)):**

**s = s + test\_tup [i]**

**i += 1**

**print('Sum of this Tuple is ' , s)**

**Output**

**Sum of this Tuple is 312**

#2 Find the largest number in this Tuple test\_tup = (15, 20, 123, 47, 26, 81)

**#2 print screen the output with code below here.**

**Code**

**test\_tup = (15, 20, 123, 47, 26, 81)**

**result = max(test\_tup)**

**print(' The Largest number in this Tuple is ', result)**

**Output**

**The Largest number in this Tuple is 123**

#3 Find the sum of all integer numbers in this Tuple

test\_tup = ([17, 28], [93, 11], [20, 17])

**#3 print screen the output with code below here.**

**Code**

**test\_tup = ([17, 28], [93, 11], [20, 17])**

**print(sum(test\_tup[0])+sum(test\_tup[1])+sum(test\_tup[2]))**

**Output**

**186**

#4 Sort this Tuple by the list total

input\_tup = ([2, 20], [44, 1], [3, 13])

sorted\_tup should be ([3, 13], [2, 20], [44, 1])

**#4 print screen the output with code below here.**

**Code**

**def Sort\_Tuple(tup):**

**# getting length of list of tuples**

**lst = len(tup)**

**for i in range(0, lst):**

**for j in range(0, lst-i-1):**

**if (tup[j][1] > tup[j + 1][1]):**

**temp = tup[j]**

**tup[j] = tup[j + 1]**

**tup[j + 1] = temp**

**return tup**

**# Driver Code**

**test\_tup = ([2, 20], [44, 1], [3, 13])**

**t = list(test\_tup )**

**print(Sort\_Tuple(t))**

**Output**

**([44, 1], [3, 13], [2, 20])**