CSE7212c_Python_Introduction_Assignment

1. Create a list 'mySecondList' with the following elements in it: 'a', 'b', 23, True. Extract out the last element using reverse indexing. Change the element at index 1 to 'bat'. Print out the modified list
2. Read in an integer number using ‘input’ function . Using if-else statement, check if the number is even or odd. If even, print out "Number is even". If odd, print out "Number is odd" (HINT: Use % or .format operator). What if the number is 0?
3. Create a list with the following elements: 'a', 'b', 'c', 'i', 'o'. Using ‘filter’ function , extract out the vowels in the list.
4. Create a dictionary 'myDict' with the following (key, value) pairs. ('Name', "XYZ"), ('Batch', 44), ("Location", "Bangalore"). Iterate over the dictionary and print out the following (order doesn't matter): My Name is XYZ My Batch is 44 My Location is Bangalore
5. Create a tuple named 'myTup' with the following elements: 1, 2, 'abc'. Print this tuple. Access the first two elements of the tuple. Can you add another element 'xyz' to myTup? What should we do if we want to get (1, 2, 'abc', 'xyz') using the existing tuple?
6. Write a function 'F' which would take in two numbers. Based on user choice 1 == add the numbers or 2 == multiply the two numbers, perform the operation and return the appropriate results.
7. Create a lambda function which would take in 3 inputs i, j and k, and computes the multiplication of i, j and k.
8. Create a lambda function to multiply 5 to any given number. a. Create a list 'myList' with numbers 0-5. Map the created lambda function to myList. Print the results.