**Assignment on loops**

1. Write a program to sum up to n numbers.

2. Write a program to find whether a number is prime or not.

3. Write a program to find Armstrong for a range 1 to 1000.

4. Write a program to print prime numbers for a range 1 to 1000.

5. Write a program to print Fibonacci numbers for a range 1 to 1000.

6. Write a program which repeatedly reads numbers until the user enters “done”. Once “done” is entered, print out the total, count, and average of the numbers. If the user enters anything other than a number, detect their mistake using try and except and print an error message and skip to the next number.

7. Write another program that prompts for a list of numbers as above and at the end prints out both the maximum and minimum of the numbers and average.

8. A list of numbers are stored as a list. Write a program which will print all the numbers and when the list will be exhausted, it will print “No more items”.