

PYTHON PROGRAMMING ASSIGNMENT – 4

- 1> Write a program to display the Fibonacci sequences up to nth term where n is provided by the user.
- 2> Write a program to repeatedly check for the largest number until the user enters “done”.
- 3> Write a program to find the sum of all Odd and Even numbers up to a number specified by the user.
- 4> Discuss the int(), float(), str(), chr() and complex() type conversion functions with examples.
- 5> Write a Program to Prompt for a Score between 0.0 and 1.0. If the Score is out of range, print an error. If the score is between 0.0 and 1.0, print a grade using the following table

Score	Grade
>= 0.9	A
>= 0.8	B
>= 0.7	C
>= 0.6	D
< 0.6	F

- 6> Explain the following list methods with an example. a) append() b) extend() c) insert() d) index() e) sort()
- 7> Write Python program to sort words in a sentence in decreasing order of their length. Display the sorted words along with their length.
- 8> Write Python Program to Reverse Each Word.
- 9> Write Python Program to Count the Occurrences of Each Word and Also Count the Number of Words.
- 10> Write Python Program to Find the Longest Word in a sentence , input from user end .
- 11> Write a program to find factorial of a number.
- 12> Write a program to find sum first 100 natural numbers.
- 13> Write a program to convert temperature from Fahrenheit to Celsius.
- 14> Write a program to find whether a number is prime or not.
- 15> Write a program to find the sum of digits of a number.
- 16> Write a program to find the first n numbers in a Fibonacci series

- 17> Write a program to find the factorial of number n.
- 18> Write a program to find the sum of any five integers.
- 19> Write a program to find the sum of all odd numbers till 100.
- 20> Write a program – multiplication table any two numbers.