

**BITS PILANI, DUBAI CAMPUS**  
**DUBAI INTERNATIONAL ACADEMIC CITY, DUBAI**  
**FIRST SEMESTER 2020 - 2021**  
**Computer Programing CS F111**  
**Lab #7**

1. Write a program to print all the ASCII values and their equivalent characters using a WHILE loop. The ASCII values vary from 0 to 255.
2. Write a program to print the Fibonacci series till the number **N** using while loop. The sequence of Fibonacci numbers is defined recursively

$$f_0 = 0, f_1 = 1, f_{i+1} = f_i + f_{i-1}$$

for  $i = 1, 2, 3, \dots$ . So the sequence is like

0 1 1 2 3 5 8 13 21 .....

Example: **N** = 50, the sequence will be

0 1 1 2 3 5 8 13 21 34

3. Write a program to read a number and printout all the divisors of the number.
4. Write a program to enter marks of N students in M subjects and calculate average and print it. For each student asks how many subjects and accordingly take marks.

Eg. Enter No of students :5

For 1<sup>st</sup> student Enter no of subjects: 3

Enter marks in 3 subject: 50 80 90

Percentage: XX.XX

..

For 5<sup>st</sup> student Enter no of subjects: 4

Enter marks in 4 subject: 50 80 90 70

Percentage: XX.XX