**Task 1: Writing the ARM Assembly Program**

1. **Task Description:** Sum of positive integer numbers from 1 until given “n” number

S = 1+2+…+n

then prints

**Task 2: Writing the ARM Assembly Program**

1. **Task Description:** Factorial – product of all positive integer numbers up to “n”

S = n!

Implement this using loops

**Task 3. Writing the ARM Assembly Program**

1. **Task Description:** Calculate the nth Fibonacci Number

*F*(*n*)=*F*(*n*−1)+*F*(*n*−2)

With initial conditions: *F*(0)=0,*F*(1)=1

**Instructions to run on terminal:**

* Use print function of C in order to see the your result.
  + Compile the C program to assembly using **gcc -S -o program.s program.c**
  + Compile the assembly code using **gcc -o program program.s**