* INTRODUCTION: Hospital Management System is an application which helps patients to records their problem and their appointments and also record used the issues of the patients and their problem.
* Process of Creating this project:
  + Created a new repository account on github
  + Integrated this repository account to Visual studio code.
  + Made a new folder to create and wrie code.
  + During Compilation we need to follow 4 steps:
    - Preprocessing :
      * Tool:Cpp
      * It takes input of .c file and it check if there are any commands such as multiline commands and it removes it.
      * Substitute the content of header files
      * Preprocessers will be substituted in its place like #define #define #if etc
      * It generates pure c code without macros and comments.
      * gcc -E
      * Output generated in .i file
    - Compilation:
      * Tool:gcc
        + It can check syntax,proper naming conventions,semi colons,variable mapping,semantics
        + It generates an assembly language code
        + If you want to stop during compilation we need to use gcc-Scommand and generates .s file
    - Assembling:
      * Tool: as
        + Converts assembly code to machine code i.e object code
        + gcc -c
        + It generates .o file
    - Linking:
      * Tool:ld
        + Adreess of external function like library or other files is linked during runtime and compile time
  + Create files like header files,Make files,test case files etc
  + we need to do unit testing by manually following AAA method
    - Arrange: Initialize the piece of the application to be used
    - Act: Invoke the units and capture the results
    - Assert: Observe and retrospect the behaviour
* There are 2 methods for Unit Testing
  + Manual
  + Automation
* I have done unit testing by using Unity Throw Switch
* Learning Outcomes:
  + I have learned about how to to create any project using multifile and makefile.
  + I have learned about Unit Testing
  + I have learned about how to make structural and behavioural diagrams
  + I have learned about different linux commands
* Softwares Used:
  + Visual Studio Code
  + WSL-Ubuntu
  + git