

QUIZ 3 – Preprocessing, Compiling, Assmebling, Linking and Makefiles

Q1. Build your own static library for the following functions.

int is_digit(char c) – returns 1 if a given char in c is a digit between 0 to 9 otherwise return 0.

int is_prime(int no) – returns 1 if no is prime else returns 0.

Q2. Test the library functions by calling them from your own main program.

Q3. Now build dynamic library and test it with the main program.

Q4. Write Makefile that will build the project with following directory structure which is under user's home directory.

Proj – Project root folder

Proj/src – Source files and make files folder

Proj/src/obj – Object Code created for all the source files

Proj/include – Header files folder

Proj/lib – library files folder

Proj/bin – binary of executable files