

UE17CS151: PROBLEM SOLVING WITH C LABORATORY

WEEK 5 :FUNCTION,ARRAYS AND POINTERS

NOTE: Create multiple files i.e client, sever and .h files and use, make command to run programs.

- 1) write a function for factorial. use it to find $C(n, r)$ using multiple files.
- 2) write a function to check whether a given number is prime. Use that to find the next prime number greater than a given number.
- 3) Write a function or code to display an array in reverse
 - a) using index.
 - b) using pointer.
- 4) Write a function to populate an array with fibonacci numbers.

Assignment /Practice program:-

- 5) write a recursive function for checking whether the given sides form a right angled triangle. Use that to generate all right angled triangles whose longest side does not exceed some input h.

Format of makefile:-

target: dependencies

<tab> command

To execute makefile=>

make -f filename.mk

./a.out