Main.cpp

#include<iostream>

#include "functions.h"

int main()

{

print\_hello();

std::cout << std::endl;

std::cout <<"The factorial of 5 is"<<factorial(5)<<std::endl;

return 0;

}

Function1.cpp

#include "functions.h"

int factorial(int n)

{

if(n!=1)

{

return(n\*factorial(n-1));

}

else return 1;

}

Function2.cpp

#include<iostream>

#include "functions.h"

void print\_hello()

{

std::cout <<"Hello world";

}

Functions.h

void print\_hello();

int factorial(int n);

Makefile

all:

g++ main.cpp function1.cpp function2.cpp -o hello















