**Experiment No :**

**Aim:** Build and install software from source code, familiarity with make utility

expected.

**Procedure :**

**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;

}

**Function.h**

void print\_hello();

int factorial(int n);

**function1.cpp**

#include<iostream>

#include "functions.h"

void print\_hello(){

std::cout << "hello world";

}

**function2.cpp**

#include "functions.h"

int factorial(int n){

if(n!=1){

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

}

else return 1 ;

}

**Makefile**

all:

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

**Output**

