Main.cpp

```cpp
#include<iostream>
#include "add.h"
int main()
{
    std::cout << "sum of 20 and 30 :" << add(20,30)<<"\n";
    return 0;

}
```
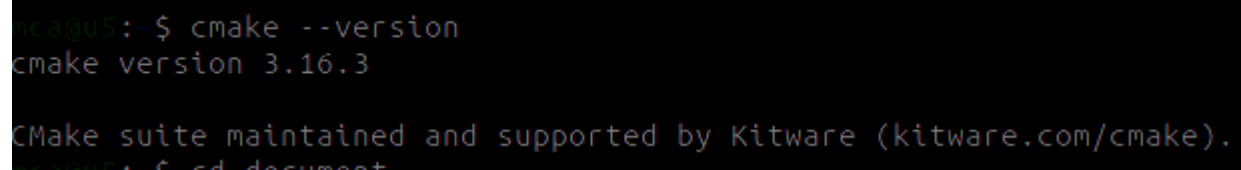
CmakeLists.txt

```
cmake_minimum_required(VERSION 3.16.3)
project("hello world")
add_executable(a.out main.cpp add.cpp)
```

add.cpp

```cpp
#include "add.h"
int add(int a,int b)
{
    return a + b;
}
```

add.h

```cpp
int add(int a,int b);
```



```
nca@u5:~$ cmake --version
cmake version 3.16.3

CMake suite maintained and supported by Kitware (kitware.com/cmake).
ncau5:~$ cd document
```

```
root@u5:/home/mca/Documents/samplecmake# cmake .
-- The C compiler identification is GNU 9.4.0
-- The CXX compiler identification is GNU 9.4.0
-- Check for working C compiler: /usr/bin/cc
-- Check for working C compiler: /usr/bin/cc -- works
-- Detecting C compiler ABI info
-- Detecting C compiler ABI info - done
-- Detecting C compile features
-- Detecting C compile features - done
-- Check for working CXX compiler: /usr/bin/c++
-- Check for working CXX compiler: /usr/bin/c++ -- works
-- Detecting CXX compiler ABI info
-- Detecting CXX compiler ABI info - done
-- Detecting CXX compile features
-- Detecting CXX compile features - done
-- Configuring done
-- Generating done
-- Build files have been written to: /home/mca/Documents/samplecmake
root@u5:/home/mca/Documents/samplecmake# make

[ 33%] Building CXX object CMakeFiles/a.out.dir/main.cpp.o
[ 66%] Building CXX object CMakeFiles/a.out.dir/add.cpp.o
[100%] Linking CXX executable a.out
[100%] Built target a.out
root@u5:/home/mca/Documents/samplecmake# ./a.out
sum of 20 and 3050
root@u5:/home/mca/Documents/samplecmake# ./a.out
sum of 20 and 3050
root@u5:/home/mca/Documents/samplecmake# make
```

```
-- Build files have been written to: /home/mca/Documents/samplecmake
root@u5:/home/mca/Documents/samplecmake# make

[ 33%] Building CXX object CMakeFiles/a.out.dir/main.cpp.o
[ 66%] Building CXX object CMakeFiles/a.out.dir/add.cpp.o
[100%] Linking CXX executable a.out
[100%] Built target a.out
root@u5:/home/mca/Documents/samplecmake# ./a.out
sum of 20 and 3050
root@u5:/home/mca/Documents/samplecmake# ./a.out
sum of 20 and 3050
root@u5:/home/mca/Documents/samplecmake# make

[ 33%] Building CXX object CMakeFiles/a.out.dir/main.cpp.o
[ 66%] Linking CXX executable a.out
[100%] Built target a.out
root@u5:/home/mca/Documents/samplecmake# ./a.out
sum of 20 and 30 :50
root@u5:/home/mca/Documents/samplecmake#
```