**MAKE**

**Question 1:**

In the src/ directory, you will find two C++ files containing functions for finding maximum and minimum, one header file declaring the functions, and a main file that calculates the average of minimum and maximum. For each of the C++ files in the src/ directory, make the corresponding object file with the same name as the file in the working directory. (Note: Include the dependency for compiling the main file.)

Now, create an executable linking all the newly created object files in the working directory. This should create a single executable.

The name of the executable should be “main”.

After running the make command, the working directory should have:-

1. Object files corresponding to the C++ files in the src/ directory, having the same name as the C++ file but with an extension.o (maximum.o, minimum.o, main.o)

2. Executable corresponding to the C++ files in the working directory, with name “main”.

Make sure there is no source or object file created in src/ directory.

Also, create a clean target that removes all the created object files and executables without removing any source files.

**Question 2:**

In the src/ directory, you will find two C++ files containing functions for finding the sum and product of all elements in the array, one header file declaring the functions, and a main file that calculates the absolute difference between the sum and product of the array. For each of the C++ files in the src/ directory, make the corresponding object file with the same name as the file in the working directory. (Note: Include the dependency for compiling the main file.)

Now, create an executable linking all the newly created object files in the working directory. This should create a single executable.

The name of the executable should have the same name as the C++ file containing the main method.

After running the make command, the working directory should have the following:-

1. Object files corresponding to the C++ files in the src/ directory, having the same name as the C++ file but with an extension.o (sum.o, product.o, main.o)

2. Executable corresponding to the C++ files in the working directory, with the same name as the main C++ file, but with no extension. (main)

Also, create a clean target that removes all the created object files and executables without removing any source files.