

Practise Activity 3

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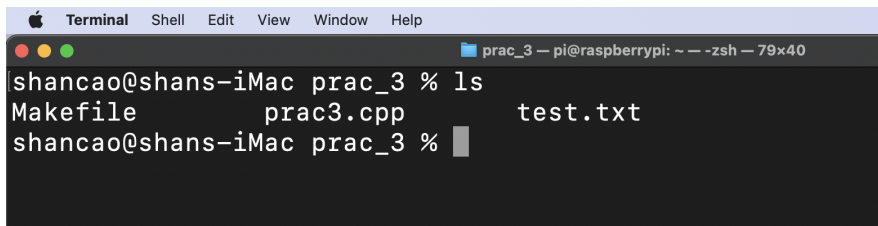
File List:

Source file: **prac3.cpp**

Input test txt file: **test.txt**

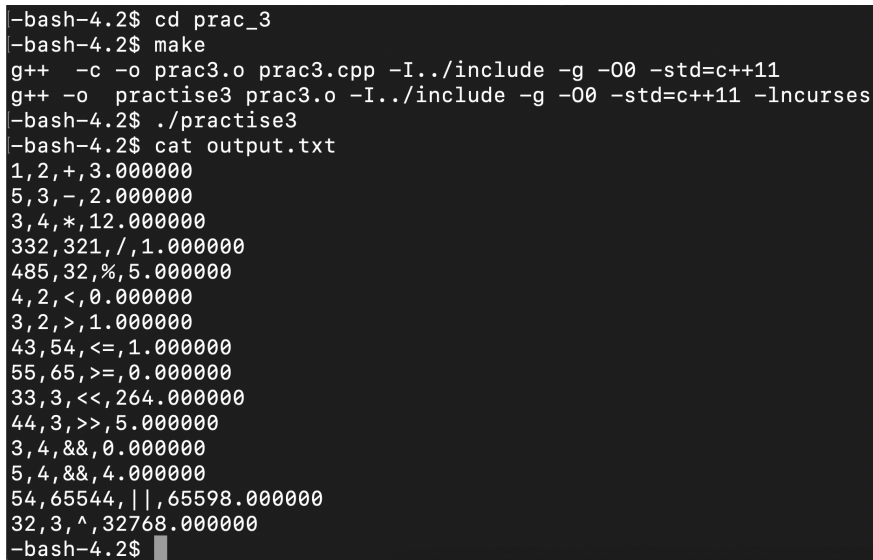
Makefile: **Makefile**

This program will take in the input test.txt file and do the operation. Then out put the program to the output file.

A screenshot of a terminal window titled 'Terminal' with menu options 'Shell', 'Edit', 'View', 'Window', and 'Help'. The window shows a user 'shancao' on a 'shans-iMac' in a directory 'prac_3'. The command 'ls' has been executed, displaying the files 'Makefile', 'prac3.cpp', and 'test.txt'.

```
shancao@shans-iMac prac_3 % ls
Makefile      prac3.cpp     test.txt
shancao@shans-iMac prac_3 %
```

Here is compile and output in the terminal.

A screenshot of a terminal window showing the compilation and execution of a C++ program. The user navigates to the 'prac_3' directory, runs 'make' to compile 'prac3.cpp' into 'prac3.o', then runs './practise3' to execute the program. Finally, they run 'cat output.txt' to view the results of various arithmetic and logical operations.

```
-bash-4.2$ cd prac_3
-bash-4.2$ make
g++ -c -o prac3.o prac3.cpp -I../include -g -O0 -std=c++11
g++ -o practise3 prac3.o -I../include -g -O0 -std=c++11 -lncurses
-bash-4.2$ ./practise3
-bash-4.2$ cat output.txt
1,2,+,3.000000
5,3,-,2.000000
3,4,*,12.000000
332,321,/,1.000000
485,32,%,5.000000
4,2,<,0.000000
3,2,>,1.000000
43,54,<=,1.000000
55,65,>=,0.000000
33,3,<<,264.000000
44,3,>>,5.000000
3,4,&&,0.000000
5,4,&&,4.000000
54,65544,||,65598.000000
32,3,^,32768.000000
-bash-4.2$
```