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CSCI111, Fall 2021 - Quiz 4 (Print legibly - do NOT write!)

19/20

Use the back page if you need more space for writing.

1. Why bother writing the code using functions in a place that we could write as a long file? Briefly. Using functions within our code can help us simplify our code. If we get an error within our code, with the use of functions, all we have to do is go to our function definition and change what we need to change without having to alter our entire program, also using function can "enhance" the security of our file.

2. We were compiling our programs using "single compile command line" ("g++ -o …") format. Then, why bother with Makefile? What is hallmark distinction of Makefile vs. single compile command line? Makefiles basically compiles all of our files all at once (if using multiple files) and compiles them all into one, and when executing, we just have to execute one thing instead of lets say 10.

3. Explain the concept of "*target*" vs. "*dependency(ies)*". Briefly
target is the file that were going after and the dependency is the alias thats connected to the target file.

Somewhat vague!
target (output) is dependant (on input) to be made.

4. What does issue of the line, "make clean <ENTER>" accomplish (with details)?
"make clean" basically means that if we updated something within our files in the Makefile, it just wipes the executable and replaces it with the updated files.

it doesnot replace
but provides a "clean" slate! (OK)
almost like a reset.

5. Write the output of the code below or correct it:

```
#include <iostream>

using namespace std;

void display(char a[20][15], int[], float f);

int compute_n_th_fact(int i);


int main()

{

        char a[20][15];

        int k[10];

        float f;

        int i = 10;

        display(char a[20][15], int[], float f);
        int compute_n_th_fact(int i);
        cout<<&i<<endl;

        return 0;

}

// ASSUME function definitions exist.
```