

The purpose of this assignment is to successfully complete a development cycle:

- (1) Login to your ctec.clark.edu computer account.
- (2) Enter & save a short "C" program (shown below) with the "vi" text editor
- (3) Compile your program
- (4) Run your program.
- (5) Electronically submit your program to instructor

After logging into your Linux account on the ctec.clark.edu server. Use the vi text editor to enter the "C" program below. To begin, type the following command: `vi p1.c`
This command will name your file "p1.c" and open the file so you can type in the program code below.

When the vi editor first opens a file, it is in "command mode", to change to "text entry mode", type an "a" or "i", then you can start entering the code shown below. When you are finished and want to save your work, hit the "esc" key (putting the editor into "command mode"), then type the command `:x` which will save your work and quit the vi editor (`:w` will save your work, but not quit the editor).

```
#include <stdio.h>

int main (void)
{
    int a, b, c;

    a = 10;
    b = 20;

    c = a + b;

    printf("%i + %i = %i\n", a, b, c);
    printf("That was easy!\n");

    return 0;
}
```

To compile your program, type the command: `gcc p1.c`

To run your program type: `./a.out`

The output on the screen should be: `10 + 20 = 30`
`That was easy!`

Use same login ID you use to check your Clark College email (e.g. if your name is John Smith, use j.smith)

Use the following command to submit your p1.c code (only submit the code)

```
cp p1.c /home/faculty/skoss/cse121/your_login_ID
```

(When you enter the above command, you will only get feedback if there is an error. If you want to confirm the file was submitted correctly, you can type the following command)

```
cat /home/faculty/skoss/cse121/your_login_ID/p1.c
```