**Command Line Argument**

1. Write a program to

a. read a name(of max length 40 characters), ip address (as char \* string in dotted notation) and port number (unsigned short) of the cloud server as command line arguments.

b. Validate if the required number of arguments have been received before proceeding. Else report error and return.

c. Validate every argument received for valid range of values. [Refer ip address range, port range to do validations]

d. Store the values in a data structure and display using a function passing data structure

void display(struct server \*servercfg);

e. Implement a function update() to prompt user, to modify all the server attributes and to display the updated configuration.

// to read, update configuration and return status as SUCCESS/FAILURE

Int update(struct server \*servercfg);

f. Specify atleast 6 test cases (positive and negative ) to test command line inputs and update operations

g. Check for memory leaks and fix them.

A screen shot of a computer program

Description automatically generated

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A computer screen shot of a program code

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