```
Script started on 2022-05-20 08:15:31-05:00 [TERM="xterm" TTY="/dev/pts/5" COLUMNS=
a_vitale7@ares:~$ CPP pointyopers.cpp point.cpp point.h
cat point.hopers.info
pwdCPP applyfnc.cpp genarr.h
catpwdpwd
/home/students/a_vitale7
a_vitale7@ares:~$ cat mathtable.info
/*************************************************************************
 *                                                                       *
 *  NAME:  Antonino Vitale                      CLASS:  CSC122-W01       *
 *                                                                       *
 *  Lab:  A little to the left, Louie!          Level:  3                *
 *                                                                       *
 *  Description:                                                         *
 *                                                                       *
 *     This program outputs to either the console or a chosen file       *
 *     a equasion table for add, subtract, multiply, divide, and         *
 *     remainder.                                                        *
 *                                                                       *
 *************************************************************************/
a_vitale7@ares:~$ cat mathtable.cpp
#include <iostream>

#include <iomanip>

#include <string>

#include <cmath>

#include <fstream>


using namespace std;


void disp_tableMenu(string filename = "");

void table(const int a, const char type = '+', ostream& out = cout);


int int_input = 0;

string input, file_name;

ofstream to_file;

bool open_file = false;


int main( void )
{

        bool exit_main = false;

        cout << "\n\t\tComplex number class program" << endl; //program start state

        while (!exit_main) {

                disp_tableMenu(file_name);

                cout << "\n\tChoice: ";

                cin >> input;

                cin.ignore(numeric_limits<streamsize>::max(), '\n');

                switch (tolower(input[0])) {

                case '0': {

                        cout << "\n(Type \"exit\" to return to menu and remove file

                        cout << "\nPlease enter the name of your data file: ";

                        do {

                                input.clear();

                                getline(cin, input);

                                if (input == "exit") {

                                        to_file.close();

                                        to_file.clear();

                                        file_name = "";

                                        open_file = false;

                                        break;

                                }

                                to_file.open(input);

                                if (to_file) {

                                        file_name = input;

                                        open_file = true;

                                        cout << "\nFile \"" << file_name << "\" ope
```

```
                } else {
                        to_file.close();
                        to_file.clear();
                        file_name = "";
                        open_file = false;
                        cout << "\nInvalid file name.\n\nPlease ent
                }
        } while (!to_file && file_name != "exit");
        break;
} case '1': {
        cout << "\nWhat size should the addition table be? ";
        int_input = 0;
        cin >> int_input;
        if (int_input > 0 && int_input <= 20) {
                if (open_file) {
                        cout << "\nCalculating..." << endl;
                        table(int_input, '+', to_file);
                        cout << "\nWritten to file." << endl;
                } else {
                        cout << "\nCalculating..." << endl;
                        table(int_input, '+');
                }
        } else if (int_input <= 0) {
                cout << "\nI'm sorry, the table size must be greate
        } else if (int_input > 20) {
                cout << "\nI'm sorry, " << int_input << " is too la
        }
```

```
        break;
} case '2': {
        cout << "\nWhat size should the subtraction table be? ";
        int_input = 0;
        cin >> int_input;
        if (int_input > 0 && int_input <= 20) {
                if (open_file) {
                        cout << "\nCalculating..." << endl;
                        table(int_input, '-', to_file);
                        cout << "\nWritten to file." << endl;
                }
                else {
                        cout << "\nCalculating..." << endl;
                        table(int_input, '-');
                }
        }
        else if (int_input <= 0) {
                cout << "\nI'm sorry, the table size must be greate
        }
        else if (int_input > 20) {
                cout << "\nI'm sorry, " << int_input << " is too la
        }
        break;
} case '3': {
        cout << "\nWhat size should the multiplication table be? "
        int_input = 0;
        cin >> int_input;
```

```
        if (int_input > 0 && int_input <= 20) {
                if (open_file) {
                        cout << "\nCalculating..." << endl;
                        table(int_input, '*', to_file);
                        cout << "\nWritten to file." << endl;
                }
                else {
                        cout << "\nCalculating..." << endl;
                        table(int_input, '*');
                }
        }
        else if (int_input <= 0) {
                cout << "\nI'm sorry, the table size must be greate
        }
        else if (int_input > 20) {
                cout << "\nI'm sorry, " << int_input << " is too la
        }
        break;
} case '4': {
        cout << "\nWhat size should the division table be? ";
        int_input = 0;
        cin >> int_input;
        if (int_input > 0 && int_input <= 20) {
                if (open_file) {
                        cout << "\nCalculating..." << endl;
                        table(int_input, '/', to_file);
                        cout << "\nWritten to file." << endl;
                }
                else {
                        cout << "\nCalculating..." << endl;
                        table(int_input, '/');
                }
        }
        else if (int_input <= 0) {
                cout << "\nI'm sorry, the table size must be greate
        }
        else if (int_input > 20) {
                cout << "\nI'm sorry, " << int_input << " is too la
        }
        break;
} case '5': {
        cout << "\nWhat size should the remainder table be? ";
        int_input = 0;
        cin >> int_input;
        if (int_input > 0 && int_input <= 20) {
                if (open_file) {
                        cout << "\nCalculating..." << endl;
                        table(int_input, '%', to_file);
                        cout << "\nWritten to file." << endl;
                }
                else {
                        cout << "\nCalculating..." << endl;
                        table(int_input, '%');
                }
```

```
                        }
                        else if (int_input <= 0) {
                                cout << "\nI'm sorry, the table size must be greate
                        }
                        else if (int_input > 20) {
                                cout << "\nI'm sorry, " << int_input << " is too la
                        }
                        break;
                } case '6': case 'e': {
                        exit_main = true;
                        break;
                } default: {
                        cout << "\nInvalid Choice." << endl;
                        break;
                }
                }
        }
        cout << "\nExiting program." << endl; //program end statement
        to_file.close();
        to_file.clear();
        return 0;
}

void disp_tableMenu(string filename) {
        cout << "\n\t\tTable Menu" << endl;
        cout << "\n\t0) Output to file: ";
        if (filename != "") {
                cout << "\"" << filename << "\"";
        } else {
                cout << "NONE";
        }
        cout << "\n\t1) Addition table";
        cout << "\n\t2) Subtraction table";
        cout << "\n\t3) Multiplication table";
        cout << "\n\t4) Division table";
        cout << "\n\t5) Remainder table";
        cout << "\n\t6) exit" << endl;
        return;
}

void table(const int a, const char type, ostream& out) {
        int width;
        if (type != '+' && type != '-' && type != '*' && type != '/' && type != '%
                out << "Error making table" << endl;
                return;
        } else {
                width = ((type == '+') ? (static_cast<int>(log10(2 * abs(a))) + 2)
                        : (type == '-') ? (static_cast<int>(log10(abs(a) - 1)) + 3)
                        : (type == '*') ? (static_cast<int>(log10(abs(a) * abs(a))))
                        : (type == '/' || type == '%') ? (static_cast<int>(log10(ab
                        : (0));
                out << endl << setfill(' ') << setw(width) << type << " |" << ((typ
                for (int i = 1; i <= abs(a); i++) {
                        out << setfill(' ') << setw(width) << i << ((type == '/') ?
```

```
                }

                out << '\n' << setfill('-') << setw(width + 2) << "+"; //doesnt cha

                out << setfill('-') << (((type != '/') ? (setw((static_cast<int>(al

                        : (setw((static_cast<int>(abs(a)) * (width + 4)) + 1)))) <<

                for (int i = 1; i <= abs(a); i++) {

                        out << setfill(' ') << setw(width) << i << " |";

                        for (int n = 1; n <= abs(a); n++) {

                                if (type == '/') {

                                        out << setfill(' ') << setw(width) << i / n

                                        out << setfill('0') << setw(3) << (static_c

                                } else {

                                        out << setfill(' ') << setw(width) << ((typ

                                }

                        }

                        out << endl;

                }

        }

        return;

}

a_vitale7@ares:~$ cat output.txt
a_vitale7@ares:~$ CPP mathtable.cpp
mathtable.cpp***


a_vitale7@ares:~$ ./mathtable.out

                Complex number class program

                Table Menu

        0) Output to file: NONE
        1) Addition table
        2) Subtraction table
        3) Multiplication table
        4) Division table
        5) Remainder table
        6) exit

        Choice: 1

What size should the addition table be? 5

Calculating...

  + |  1  2  3  4  5
----+----------------
  1 |  2  3  4  5  6
  2 |  3  4  5  6  7
  3 |  4  5  6  7  8
  4 |  5  6  7  8  9
  5 |  6  7  8  9 10

                Table Menu

        0) Output to file: NONE
        1) Addition table
        2) Subtraction table
        3) Multiplication table
        4) Division table
        5) Remainder table
        6) exit

        Choice: 2

What size should the subtraction table be? 5

Calculating...

  - |  1  2  3  4  5
----+----------------
  1 |  0 -1 -2 -3 -4
  2 |  1  0 -1 -2 -3
  3 |  2  1  0 -1 -2
  4 |  3  2  1  0 -1
  5 |  4  3  2  1  0

                Table Menu

        0) Output to file: NONE
        1) Addition table
        2) Subtraction table
        3) Multiplication table
        4) Division table
        5) Remainder table
        6) exit

        Choice: 3
```

```
What size should the multiplication table be? 5

Calculating...

  * |  1  2  3  4  5
----+---------------
  1 |  1  2  3  4  5
  2 |  2  4  6  8 10
  3 |  3  6  9 12 15
  4 |  4  8 12 16 20
  5 |  5 10 15 20 25

                Table Menu

        0) Output to file: NONE
        1) Addition table
        2) Subtraction table
        3) Multiplication table
        4) Division table
        5) Remainder table
        6) exit

        Choice: 4

What size should the division table be? 5

Calculating...

 / |   1     2     3     4     5
---+-------------------------------
 1 | 1.000 0.500 0.333 0.250 0.200
 2 | 2.000 1.000 0.666 0.500 0.400
 3 | 3.000 1.500 1.000 0.750 0.600
 4 | 4.000 2.000 1.333 1.000 0.800
 5 | 5.000 2.500 1.666 1.250 1.000

                Table Menu

        0) Output to file: NONE
        1) Addition table
        2) Subtraction table
        3) Multiplication table
        4) Division table
        5) Remainder table
        6) exit

        Choice: 6

Exiting program.
a_vitale7@ares:~$ ./mathtable.out

                Complex number class program

                Table Menu

        0) Output to file: NONE
        1) Addition table
        2) Subtraction table
        3) Multiplication table
        4) Division table
        5) Remainder table
        6) exit

        Choice: 1

What size should the addition table be? 10

Calculating...

  + |  1  2  3  4  5  6  7  8  9 10
----+-------------------------------
  1 |  2  3  4  5  6  7  8  9 10 11
  2 |  3  4  5  6  7  8  9 10 11 12
  3 |  4  5  6  7  8  9 10 11 12 13
  4 |  5  6  7  8  9 10 11 12 13 14
  5 |  6  7  8  9 10 11 12 13 14 15
  6 |  7  8  9 10 11 12 13 14 15 16
  7 |  8  9 10 11 12 13 14 15 16 17
  8 |  9 10 11 12 13 14 15 16 17 18
  9 | 10 11 12 13 14 15 16 17 18 19
 10 | 11 12 13 14 15 16 17 18 19 20

                Table Menu

        0) Output to file: NONE
        1) Addition table
        2) Subtraction table
        3) Multiplication table
        4) Division table
        5) Remainder table
        6) exit

        Choice: 2

What size should the subtraction table be? 10

Calculating...

  - |  1  2  3  4  5  6  7  8  9 10
----+-------------------------------
  1 |  0 -1 -2 -3 -4 -5 -6 -7 -8 -9
  2 |  1  0 -1 -2 -3 -4 -5 -6 -7 -8
  3 |  2  1  0 -1 -2 -3 -4 -5 -6 -7
  4 |  3  2  1  0 -1 -2 -3 -4 -5 -6
  5 |  4  3  2  1  0 -1 -2 -3 -4 -5
  6 |  5  4  3  2  1  0 -1 -2 -3 -4
  7 |  6  5  4  3  2  1  0 -1 -2 -3
  8 |  7  6  5  4  3  2  1  0 -1 -2
```

```
  9 |  8  7  6  5  4  3  2  1  0 -1
 10 |  9  8  7  6  5  4  3  2  1  0

                Table Menu

        0) Output to file: NONE
        1) Addition table
        2) Subtraction table
        3) Multiplication table
        4) Division table
        5) Remainder table
        6) exit

        Choice: 3

What size should the multiplication table be? 10

Calculating...

   * |   1   2   3   4   5   6   7   8   9  10
-----+----------------------------------------
   1 |   1   2   3   4   5   6   7   8   9  10
   2 |   2   4   6   8  10  12  14  16  18  20
   3 |   3   6   9  12  15  18  21  24  27  30
   4 |   4   8  12  16  20  24  28  32  36  40
   5 |   5  10  15  20  25  30  35  40  45  50
   6 |   6  12  18  24  30  36  42  48  54  60
   7 |   7  14  21  28  35  42  49  56  63  70
   8 |   8  16  24  32  40  48  56  64  72  80
   9 |   9  18  27  36  45  54  63  72  81  90
  10 |  10  20  30  40  50  60  70  80  90 100

                Table Menu

        0) Output to file: NONE
        1) Addition table
        2) Subtraction table
        3) Multiplication table
        4) Division table
        5) Remainder table
        6) exit

        Choice: 4

What size should the division table be? 10

Calculating...

  / |    1      2      3      4      5      6      7      8      9     10
----+-------------------------------------------------------------------
  1 |  1.000  0.500  0.333  0.250  0.200  0.166  0.142  0.125  0.111  0.100
  2 |  2.000  1.000  0.666  0.500  0.400  0.333  0.285  0.250  0.222  0.200
  3 |  3.000  1.500  1.000  0.750  0.600  0.500  0.428  0.375  0.333  0.300
  4 |  4.000  2.000  1.333  1.000  0.800  0.666  0.571  0.500  0.444  0.400
  5 |  5.000  2.500  1.666  1.250  1.000  0.833  0.714  0.625  0.555  0.500
  6 |  6.000  3.000  2.000  1.500  1.200  1.000  0.857  0.750  0.666  0.600
  7 |  7.000  3.500  2.333  1.750  1.400  1.166  1.000  0.875  0.777  0.700
  8 |  8.000  4.000  2.666  2.000  1.600  1.333  1.142  1.000  0.888  0.800
  9 |  9.000  4.500  3.000  2.250  1.800  1.500  1.285  1.125  1.000  0.900
 10 | 10.000  5.000  3.333  2.500  2.000  1.666  1.428  1.250  1.111  1.000

                Table Menu

        0) Output to file: NONE
        1) Addition table
        2) Subtraction table
        3) Multiplication table
        4) Division table
        5) Remainder table
        6) exit

        Choice: 5

What size should the remainder table be? 10

Calculating...

  % |  1  2  3  4  5  6  7  8  9 10
----+--------------------------------
  1 |  0  1  1  1  1  1  1  1  1  1
  2 |  0  0  2  2  2  2  2  2  2  2
  3 |  0  1  0  3  3  3  3  3  3  3
  4 |  0  0  1  0  4  4  4  4  4  4
  5 |  0  1  2  1  0  5  5  5  5  5
  6 |  0  0  0  2  1  0  6  6  6  6
  7 |  0  1  1  3  2  1  0  7  7  7
  8 |  0  0  2  0  3  2  1  0  8  8
  9 |  0  1  0  1  4  3  2  1  0  9
 10 |  0  0  1  2  0  4  3  2  1  0

                Table Menu

        0) Output to file: NONE
        1) Addition table
        2) Subtraction table
        3) Multiplication table
        4) Division table
        5) Remainder table
        6) exit

        Choice: 6

Exiting program.
a_vitale7@ares:~$ ./mathtable.out

                Complex number class program

                Table Menu
```

```
        0) Output to file: NONE
        1) Addition table
        2) Subtraction table
        3) Multiplication table
        4) Division table
        5) Remainder table
        6) exit

        Choice: 1

What size should the addition table be? 999

I'm sorry, 999 is too large of an addition table.

                Table Menu

        0) Output to file: NONE
        1) Addition table
        2) Subtraction table
        3) Multiplication table
        4) Division table
        5) Remainder table
        6) exit

        Choice: 2

What size should the subtraction table be? 999

I'm sorry, 999 is too large of a table.

                Table Menu

        0) Output to file: NONE
        1) Addition table
        2) Subtraction table
        3) Multiplication table
        4) Division table
        5) Remainder table
        6) exit

        Choice: 3

What size should the multiplication table be? 30

I'm sorry, 30 is too large of a table.

                Table Menu

        0) Output to file: NONE
        1) Addition table
        2) Subtraction table
        3) Multiplication table
        4) Division table
        5) Remainder table
        6) exit

        Choice: 4

What size should the division table be? 20

Calculating...

  / |    1      2      3      4      5      6      7      8      9     10     11
----+-------------------------------------------------------------------------
  1 |  1.000  0.500  0.333  0.250  0.200  0.166  0.142  0.125  0.111  0.100  0.090
  2 |  2.000  1.000  0.666  0.500  0.400  0.333  0.285  0.250  0.222  0.200  0.181
  3 |  3.000  1.500  1.000  0.750  0.600  0.500  0.428  0.375  0.333  0.300  0.272
  4 |  4.000  2.000  1.333  1.000  0.800  0.666  0.571  0.500  0.444  0.400  0.363
  5 |  5.000  2.500  1.666  1.250  1.000  0.833  0.714  0.625  0.555  0.500  0.454
  6 |  6.000  3.000  2.000  1.500  1.200  1.000  0.857  0.750  0.666  0.600  0.545
  7 |  7.000  3.500  2.333  1.750  1.400  1.166  1.000  0.875  0.777  0.700  0.636
  8 |  8.000  4.000  2.666  2.000  1.600  1.333  1.142  1.000  0.888  0.800  0.727
  9 |  9.000  4.500  3.000  2.250  1.800  1.500  1.285  1.125  1.000  0.900  0.818
 10 | 10.000  5.000  3.333  2.500  2.000  1.666  1.428  1.250  1.111  1.000  0.909
 11 | 11.000  5.500  3.666  2.750  2.200  1.833  1.571  1.375  1.222  1.100  1.000
 12 | 12.000  6.000  4.000  3.000  2.400  2.000  1.714  1.500  1.333  1.200  1.090
 13 | 13.000  6.500  4.333  3.250  2.600  2.166  1.857  1.625  1.444  1.300  1.181
 14 | 14.000  7.000  4.666  3.500  2.800  2.333  2.000  1.750  1.555  1.400  1.272
 15 | 15.000  7.500  5.000  3.750  3.000  2.500  2.142  1.875  1.666  1.500  1.363
 16 | 16.000  8.000  5.333  4.000  3.200  2.666  2.285  2.000  1.777  1.600  1.454
 17 | 17.000  8.500  5.666  4.250  3.400  2.833  2.428  2.125  1.888  1.700  1.545
 18 | 18.000  9.000  6.000  4.500  3.600  3.000  2.571  2.250  2.000  1.800  1.636
 19 | 19.000  9.500  6.333  4.750  3.800  3.166  2.714  2.375  2.111  1.900  1.727
 20 | 20.000 10.000  6.666  5.000  4.000  3.333  2.857  2.500  2.222  2.000  1.818

                Table Menu

        0) Output to file: NONE
        1) Addition table
        2) Subtraction table
        3) Multiplication table
        4) Division table
        5) Remainder table
        6) exit

        Choice: 5

What size should the remainder table be? 21

I'm sorry, 21 is too large of a table.

                Table Menu

        0) Output to file: NONE
        1) Addition table
        2) Subtraction table
        3) Multiplication table
```

```
        4) Division table
        5) Remainder table
        6) exit

        Choice: 6

Exiting program.
a_vitale7@ares:~$ ./mathtable.out

                Complex number class program

                Table Menu

        0) Output to file: NONE
        1) Addition table
        2) Subtraction table
        3) Multiplication table
        4) Division table
        5) Remainder table
        6) exit

        Choice: 0

(Type "exit" to return to menu and remove file name)
Please enter the name of your data file: output.txt

File "output.txt" opened successfully!

                Table Menu

        0) Output to file: "output.txt"
        1) Addition table
        2) Subtraction table
        3) Multiplication table
        4) Division table
        5) Remainder table
        6) exit

        Choice: 1

What size should the addition table be? 5

Calculating...

Written to file.

                Table Menu

        0) Output to file: "output.txt"
        1) Addition table
        2) Subtraction table
        3) Multiplication table
        4) Division table
        5) Remainder table
        6) exit

        Choice: 2

What size should the subtraction table be? 10

Calculating...

Written to file.

                Table Menu

        0) Output to file: "output.txt"
        1) Addition table
        2) Subtraction table
        3) Multiplication table
        4) Division table
        5) Remainder table
        6) exit

        Choice: 3

What size should the multiplication table be? 3

Calculating...

Written to file.

                Table Menu

        0) Output to file: "output.txt"
        1) Addition table
        2) Subtraction table
        3) Multiplication table
        4) Division table
        5) Remainder table
        6) exit

        Choice: 4

What size should the division table be? 2

Calculating...

Written to file.

                Table Menu

        0) Output to file: "output.txt"
        1) Addition table
        2) Subtraction table
        3) Multiplication table
        4) Division table
        5) Remainder table
```

```
        6) exit

        Choice: 5

What size should the remainder table be? 4

Calculating...

Written to file.

                Table Menu

        0) Output to file: "output.txt"
        1) Addition table
        2) Subtraction table
        3) Multiplication table
        4) Division table
        5) Remainder table
        6) exit

        Choice: 2

What size should the subtraction table be? 8

Calculating...

Written to file.

                Table Menu

        0) Output to file: "output.txt"
        1) Addition table
        2) Subtraction table
        3) Multiplication table
        4) Division table
        5) Remainder table
        6) exit

        Choice: 6

Exiting program.
a_vitale7@ares:~$ cat cat output.txt

  + |  1  2  3  4  5
----+----------------
  1 |  2  3  4  5  6
  2 |  3  4  5  6  7
  3 |  4  5  6  7  8
  4 |  5  6  7  8  9
  5 |  6  7  8  9 10

  - |  1  2  3  4  5  6  7  8  9 10
----+-------------------------------
  1 |  0 -1 -2 -3 -4 -5 -6 -7 -8 -9
  2 |  1  0 -1 -2 -3 -4 -5 -6 -7 -8
  3 |  2  1  0 -1 -2 -3 -4 -5 -6 -7
  4 |  3  2  1  0 -1 -2 -3 -4 -5 -6
  5 |  4  3  2  1  0 -1 -2 -3 -4 -5
  6 |  5  4  3  2  1  0 -1 -2 -3 -4
  7 |  6  5  4  3  2  1  0 -1 -2 -3
  8 |  7  6  5  4  3  2  1  0 -1 -2
  9 |  8  7  6  5  4  3  2  1  0 -1
 10 |  9  8  7  6  5  4  3  2  1  0

 * | 1 2 3
---+-------
 1 | 1 2 3
 2 | 2 4 6
 3 | 3 6 9

 / |   1     2
---+-------------
 1 | 1.000 0.500
 2 | 2.000 1.000

 % | 1 2 3 4
---+---------
 1 | 0 1 1 1
 2 | 0 0 2 2
 3 | 0 1 0 3
 4 | 0 0 1 0

  - |  1  2  3  4  5  6  7  8
----+-------------------------
  1 |  0 -1 -2 -3 -4 -5 -6 -7
  2 |  1  0 -1 -2 -3 -4 -5 -6
  3 |  2  1  0 -1 -2 -3 -4 -5
  4 |  3  2  1  0 -1 -2 -3 -4
  5 |  4  3  2  1  0 -1 -2 -3
  6 |  5  4  3  2  1  0 -1 -2
  7 |  6  5  4  3  2  1  0 -1
  8 |  7  6  5  4  3  2  1  0
a_vitale7@ares:~$ cat mathtable.tpq
/*************************************************************************
 *                                                                       *
 *     How can you easily determine the widest that the columns need to  *
 *     be? (Hint: See this page about calculating the number of digits   *
 *     in a whole number.)                                               *
 *          depending on the arithmatic type the width would vary, but   *
 *          overall it should be similar to one another. As an example   *
 *          simple addition would likely have a width of +2 at a table   *
 *          of 5 because 5+5=10, but division would have a constant      *
 *          added to the width to deal with the decimal places           *
 *                                                                       *
 *     Once you know the width of a column, how can you determine        *
 *     whether a table will fit on the screen?                           *
 *          youd have to count the total width and compare it with the   *
 *          width of the screen, but with output files you are able to   *
```

```
 *          scroll horizontally.                                          *
 *                                                                        *
 *     How can you get the columns to line up so nice and neat?           *
 *          the evaluation of the width would use the largest possible    *
 *          number from the artithmatic type                              *
 *                                                                        *
 *                                                                        *
 **************************************************************************/
a_vitale7@ares:~$ exit
exit

Script done on 2022-05-20 08:18:56-05:00 [COMMAND_EXIT_CODE="0"]
```