```
Script started on 2021-09-21 17:05:41-05:00 [TERM="xterm" TTY="/dev/pts/1" COLUMNS=
a_vitale7@ares:~$ pwd
/home/students/a_vitale7
a_vitale7@ares:~$ cat rcp.info
/*****************************************************************************
 *                                                                           *
 *  NAME:  Antonino Vitale                       CLASS:  CSC121-W02          *
 *                                                                           *
 *  Lab:  Level 2 Activity                       Level:  2                   *
 *                                                                           *
 *  Description:                                                             *
 *                                                                           *
 *     This program takes two resistor inputs and solves for resistance      *
 *     in series and paralell circuits then outputs the solution.            *
 *                                                                           *
 *****************************************************************************/
a_vitale7@ares:~$ cat rcp.cpp
#include <iostream>
#include <limits>

using namespace std;

int main(void)
{
        double r1, r2, srt, prt;
        cout << "\n                 Welcome to the Resistor Calculation Program!!!\
        cout << "\nPlease enter your two resistances:  ";
        cin >> r1 >> r2;
        while (r1 <= 0 || r2 <= 0) {
                cout << "Please input valid numbers" << endl;
                cin.clear();
                cin.ignore(numeric_limits<streamsize>::max(), '\n') >> r1 >> r2;
        }
        cout << "\nThank you!!You've entered " << r1 << " ohms and " << r2 << " ohr
        srt = r1 + r2;
        prt = (1/((1/r1)+(1/r2)));
        cout << "\nDone.\n";
        cout << "\nIf your resistors are placed in series, they'll total to " << sr
        cout << "\nIf they are placed in parallel, they'll total " << prt << " ohms
        cout << "\nThank you for using the RCP!!\n";
        return 0;
}
a_vitale7@ares:~$ CPP rcp
rcp.cpp***


a_vitale7@ares:~$ ./rcp.out

                Welcome to the Resistor Calculation Program!!!

Please enter your two resistances:  10 20

Thank you!!You've entered 10 ohms and 20 ohms!  Calculating...

Done.

If your resistors are placed in series, they'll total to 30 ohms.

If they are placed in parallel, they'll total 6.66667 ohms.

Thank you for using the RCP!!
a_vitale7@ares:~$ ./rcp.out

                Welcome to the Resistor Calculation Program!!!

Please enter your two resistances:  15 60

Thank you!!You've entered 15 ohms and 60 ohms!  Calculating...

Done.

If your resistors are placed in series, they'll total to 75 ohms.

If they are placed in parallel, they'll total 12 ohms.

Thank you for using the RCP!!
a_vitale7@ares:~$ ./rcp.out

                Welcome to the Resistor Calculation Program!!!

Please enter your two resistances:  99 74

Thank you!!You've entered 99 ohms and 74 ohms!  Calculating...

Done.

If your resistors are placed in series, they'll total to 173 ohms.

If they are placed in parallel, they'll total 42.3468 ohms.

Thank you for using the RCP!!
a_vitale7@ares:~$ ./rcp.out

                Welcome to the Resistor Calculation Program!!!

Please enter your two resistances:  -17 0
Please input valid numbers
4 4

Thank you!!You've entered 4 ohms and 4 ohms!  Calculating...

Done.

If your resistors are placed in series, they'll total to 8 ohms.

If they are placed in parallel, they'll total 2 ohms.

Thank you for using the RCP!!
```

```
a_vitale7@ares:~$ ./rcp.out

                Welcome to the Resistor Calculation Program!!!

Please enter your two resistances:  firstnumber secondnumber
Please input valid numbers
4 4

Thank you!!You've entered 4 ohms and 4 ohms!  Calculating...

Done.

If your resistors are placed in series, they'll total to 8 ohms.

If they are placed in parallel, they'll total 2 ohms.

Thank you for using the RCP!!
a_vitale7@ares:~$ ./rcp.out

                Welcome to the Resistor Calculation Program!!!

Please enter your two resistances:  999 1

Thank you!!You've entered 999 ohms and 1 ohms!  Calculating...

Done.

If your resistors are placed in series, they'll total to 1000 ohms.

If they are placed in parallel, they'll total 0.999 ohms.

Thank you for using the RCP!!
a_vitale7@ares:~$ exit
exit

Script done on 2021-09-21 17:08:43-05:00 [COMMAND_EXIT_CODE="0"]
```