1. R3.6
2. 15
3. 15
4. 159
5. -15
6. -858993460 - FAIL
7. -858993460 - FAIL
8. -858993460 - FAIL
9. 1
10. 1
11. R4.3
12. Gives the square root of a real number. x must be greater than 0.
13. Gives a number as a roman numeral. n must be between 1 and 3999
14. Figures out if a given year is a leap year. y must be a year
15. Gives the name of the weekday. w must be between 0 and 6
16. Gives the midpoint of two points.
17. Figures out the area of a circle.
18. Finds the slope of the a line. Must be linear.
19. double minimum(double a, double b, double c)

{

return std::min( std::min(a,b,c));

}

1. This isn’t the prettiest thing in the world.

#include <iostream>

#include <iomanip>

#include <string>

using namespace std;

int main()

{

for (int n = 1; n <= 19; n++)

{

if(n == 1 || n == 6 || n == 11 || n == 16)

{

cout << setw(2) << n;

}

if(n == 2 || n == 7 || n == 12 || n == 17)

{

cout << setw(3) << n;

}

if(n == 3 || n == 8 || n == 13 || n == 18)

{

cout << setw(3) << n;

}

if(n == 4 || n == 9 || n == 14 || n == 19)

{

cout << setw(3) << n;

}

if(n == 5 || n == 10 || n == 15 || n == 20)

{

cout << setw(3) << n << endl;

}

}

cout << endl << endl;

return 0;

}

1. /\*\*

@file jcc329\_Library.h.cpp

@author Jasen Carroll

@date 02-13-2010

@version 1.0

\*/

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/\*\*

This fuction allows the user to input a string. This can be very useful and time saving.

@param prompt This is the string that will be created.

@return returns the string that was created.

\*/

#include <string>

using namespace std;

string prompt; // Creates the sting named prompt so it can be used globally.

static string promptForString(string prompt) // Funtion that prompts for a string.

{

cout << "Please enter your input file: "; // Asks the user to input a string.

getline(cin, prompt); // Uses getline in case the user inputs more than one word.

if (prompt == "QUIT")

{

exit(1);

}

return prompt; // Returns the string so it can be used in other programs instead of just terminating the string.

}