CS 31 Homework 2

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Discussion 1I

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1. Output:

endlendl

endline

1. The program prints len-1 number of spaces and a # after the spaces, adds a new line, and then print 1 less number of spaces than the line above and a # at the end of each line. It continues to do this until only a # is printed and no spaces are printed.

Below is a sample output for len = 5:

#

#

#

#

#

1. Original Code rewritten with an inner while loop

#include <iostream>

using namespace std;

int main()

{

int len;

cout << "Enter a number: ";

cin >> len;

for (int i = 0; i < len; i++)

{

int j = i+1;

while (j < len)

{

cout << " ";

j++;

}

cout << "#" << endl;

}

}

1. #3 code rewritten with an inner do-while loop

#include <iostream>

using namespace std;

int main()

{

int len;

cout << "Enter a number: ";

cin >> len;

int i = 0;

if(len <= i) return 0;

do //for (int i = 0; i < len; i++)

{

int j = i+1;

while (j < len)

{

cout << " ";

j++;

}

cout << "#" << endl;

i++;

}while(i < len);

}



switch(weekday)

{

case 1:

cout << "rainy days and mondays get me down";

break;

case 2:

cout << "ruby tuesday";

break;

case 6:

case 7:

cout << "wonderful weekend";

break;

default:

cout << "regular day";

}