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CS31

January 14, 2019

Homework 2

1. The output produced by the program is:

endlendl

endline

2. The program prints a diagonal line of ‘#’ symbols that stretches from top right to bottom left with a length equal to the inputted integer. This program accomplishes this by taking an input integer and printing out a sequence of characters with this total length, with several spaces and then a single ‘#’ symbol at the very end. The program continues to print new lines, each time shifting the ‘#’ symbol left one space until it prints a line with only the ‘#’ and no spaces.

3.

**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;

}

}

4.

**int** main()

{

**int** len;

cout << "Enter a number: ";

cin >> len;

**int** i = 0;

**do** {

**int** j = i+1;

**while** (j < len) {

cout << " ";

j++;

}

**if**( len > 0 ){

cout << "#" << endl;

}

i++;

} **while**( i < len );

}

5.

**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";

}