

Assignment 8: SOS
Practice writing loops and using functions
This assignment is preparation for the TOC and Diamond assignments

1. Write a function, called dots, that prints a number of dots to the console using a for loop that counts down. The number of dots to print should be passed as an input parameter.
2. Write a function, called dashes, that prints a number of dash characters to the console using a for loop that counts up. The number of dashes to print should be passed as an input parameter.
3. Write a function, called sendSOS that prints out three dots followed by three dashes followed by three dots again. Use the other two functions to print the dots and dashes. Print a newline or use endl to finish the line after printing the dots and dashes.
4. Write a function to stall for time, called waitSeconds() that takes an integer for the number of seconds to wait. In Windows, include <Windows.h> and then use the Sleep(msec) function. On a Mac, include <unistd.h> and use the sleep(sec) function.
5. Write a function called distressCall() that takes no arguments and loops forever, calling sendSOS, then calling waitSeconds(1) and then repeating.
6. Write a function called spaces triangle that takes an integer for the height of the triangle. It should print the following, given the number 5:

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7. Write another function called slowTriangle() that looks like the previous function, but does not call any other functions (except the system sleep function) and prints the same triangle, but very slowly, waiting a second before printing each dot. This will require a loop within a loop!

Please submit just the cpp file for this assignment. As always from now on, style will be part of your grade. The points on this assignment are 1 point each for 1-6, 3 points for 7, and 1 point for style.