

CSIS 3540

Client Server Systems

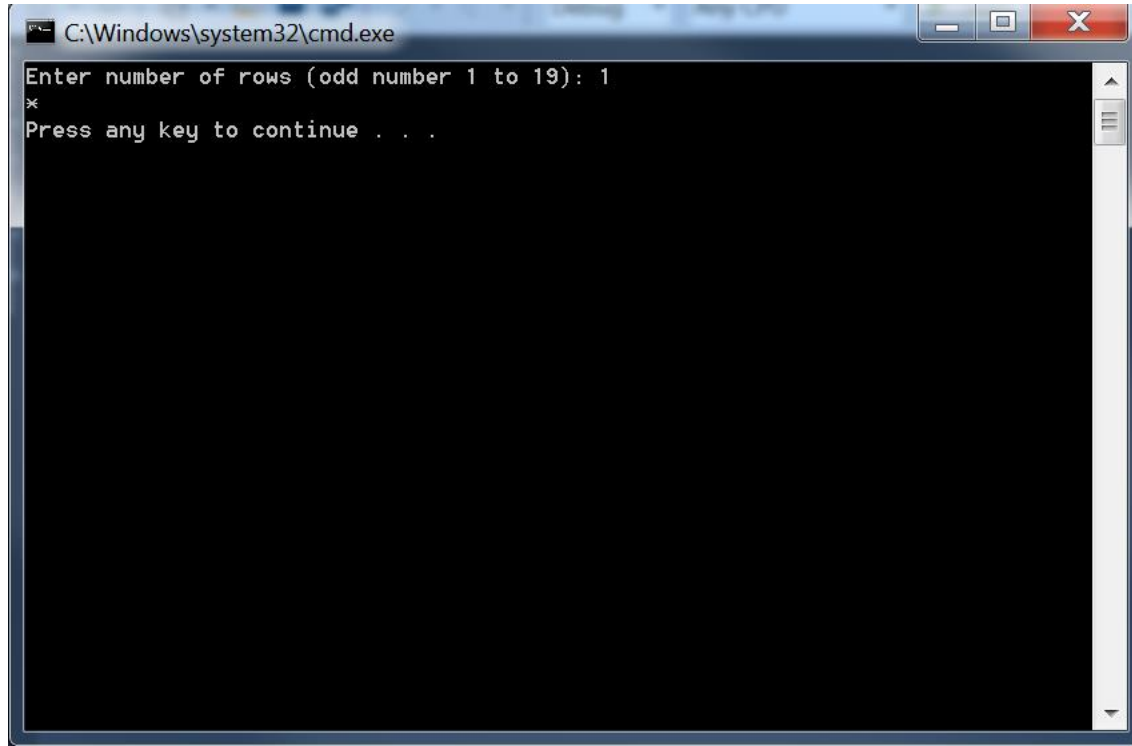
Lab 1

6.23 (*Displaying a Diamond*) Write an app that displays the following diamond shape. You may use output statements that display a single asterisk (*), a single space or a single newline character. Maximize your use of repetition (with nested for statements) and minimize the number of output statements.

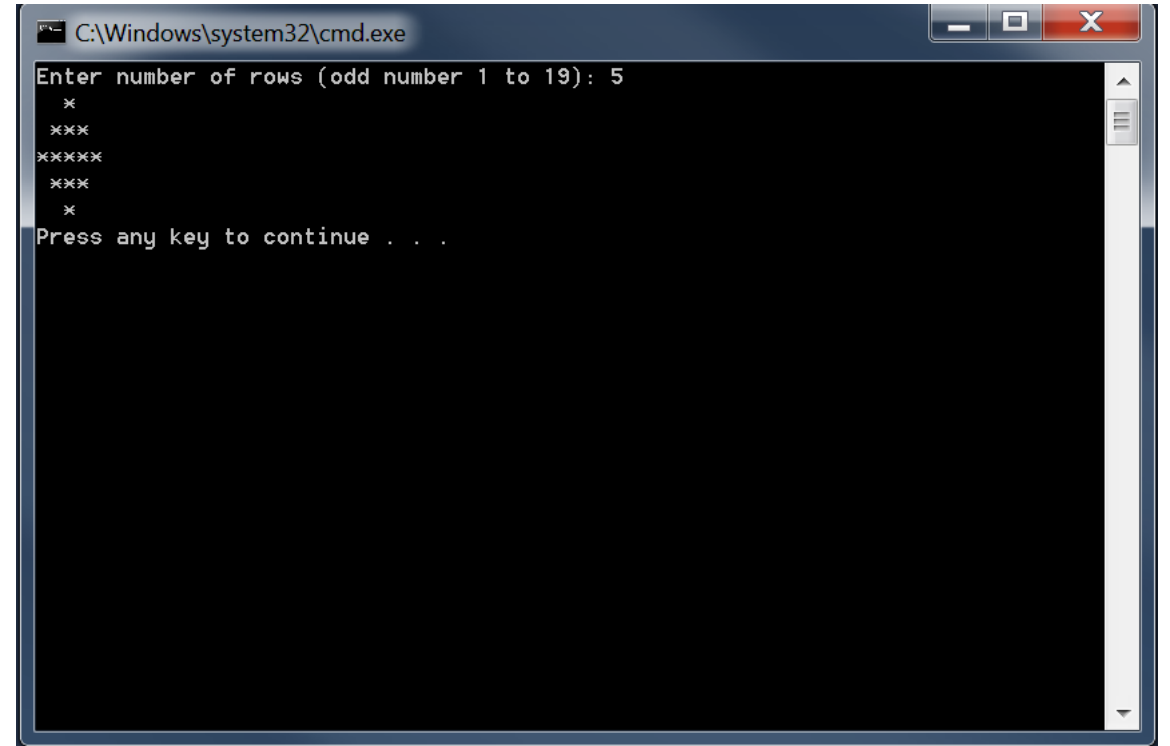
```

    *
   **
  ***
 ****
*****
*****
 ****
  ***
   **
    *
```

6.24 (*Modified Diamond Program*) Modify the app you wrote in Exercise 6.23 to read an odd number in the range 1 to 19 to specify the number of rows in the diamond. Your app should then display a diamond of the appropriate size.



```
C:\Windows\system32\cmd.exe
Enter number of rows (odd number 1 to 19): 1
*
Press any key to continue . . .
```



```
C:\Windows\system32\cmd.exe
Enter number of rows (odd number 1 to 19): 5
*
***
*****
***
*
Press any key to continue . . .
```