

CSCE 145: Lab 4

Objectives:

- Understand how to program with Strings and branching.
- Understand how to use JOptionPane for keyboard input and screen output

Suppose you are working for an online service that provides a bulletin board for preteen users. You would like to filter out profanity, and suppose that the words *cat*, *dog*, and *llama* are considered profane. Write a program that reads a string typed into a JOptionPane pop-up window and tests whether the string contains at least one of the three profane words. (To use JOptionPane, your program will have to **import javax.swing.*;**) Your program should find words like *cAt* that differ only in case. When it detects a profane word in the input string, it should print, also using JOptionPane, "Input rejected for profanity." Otherwise it should print, "Input OK." As an extra challenge, have your program reject only the lines that contain a profane word exactly. For example, *Dogmatic concatenation is a small category* should not be considered profane.

Upload your solution to the dropbox at <https://dropbox.cse.sc.edu>.