1. Write a program that prompts the user to enter a text and displays the number of vowels and consonants in the file. Use a set to store the vowels **A**, **E**, **I**, **O**, and **U**.
2. Write a program that reads an unspecified number of integers and finds the one that has the most occurrences. The input ends when the input is **0**. For example, if you entered **2 3 40 3 5 4 –3 3 3 2 0**, the number **3** occurred most often. If not one but several numbers have the most occurrences, all of them should be reported. For example, since **9** and **3** appear twice in the list **9 30 3 9 3 2 4**, both occurrences should be reported.
3. Write a program that reads words from keyboard and displays all the non-duplicate words in ascending order.