Exercise #1(Batch1) Dated: 4/8/2015

Marks: 10

Using LEX to do the following (excluding anything within the comments and double quotes):

- a. Count the total number of words. (2)
- b. Identify words beginning with vowels and convert them to upper case. (4)
- c. List the words not beginning with vowels, the lines in which they occur, and the number of times each word occurs. (4)

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## Test case

```
// Borland C++ -(C) Copyright 1991 by Borland International
/* DCOPY.CPP --Example from Getting Started */
/* DCOPY source-file destination-file *
* copies existing source-file to destination-file *
* If latter exists, it is overwritten; if it does not *
* exist, DCOPY will create it if possible *
*/
#include <iostream.h>
#include cess.h>
                                            // for exit()
#include <fstream.h>
                                            // for ifstream, ofstream
main(int argc, char* argv[])
                                            // access command-line arguments
char ch;
if (argc != 3)
                               // test number of arguments
cerr << "USAGE: dcopy file1 file2\n";
exit(-1);
ifstream source:
                               // declare input and output streams
ofstream dest;
source.open(argv[1],ios::nocreate); // source file must be there
```