Exercise #1(Batch1) Dated: 23/872012 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 not 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
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// 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 <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";</pre>
      exit(-1);
   ifstream source; // declare input and output streams
   ofstream dest;
   source.open(argv[1],ios::nocreate); // source file must be there
   if (!source)
      cerr << "Cannot open source file " << arqv[1] <<</pre>
            " for input\n";
     exit(-1);
   }
   dest.open(argv[2]);  // dest file will be created if not found
                 // or cleared/overwritten if found
   if (!dest)
      cerr << "Cannot open destination file " << argv[2] <<</pre>
          " for output\n";
     exit(-1);
   while (dest && source.get(ch)) dest.put(ch);
   cout << "DCOPY completed\n";</pre>
                   // close both streams
   source.close();
   dest.close();
}
```