**Total Weight/Mark: 5points**

**Test Question:**

1. Create a file named “input.txt” with the following lines:

|  |
| --- |
| int a, b, c1;  a=10, b= 20;  c1 = a + b;  this is a program. |

Write a flex program to detect the following:

* identifiers/words
* keywords
* comma
* count the number of semicolon and full-stop
* count the identifiers/words and line numbers. After executing the program the output will be like the following:

|  |
| --- |
| **Portion of our output** |
| int – keyword  a – identifier/word  , - comma  b – identifier/word  , - comma  c1 - identifier/word  ….  ….  this - identifier/word  semicolon – 3  full-stop - 1  line number - 4  …. |