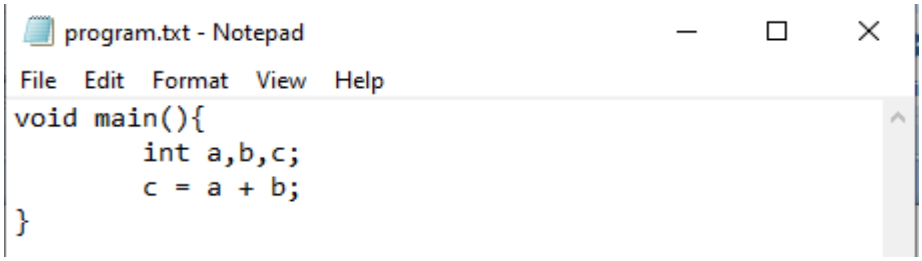
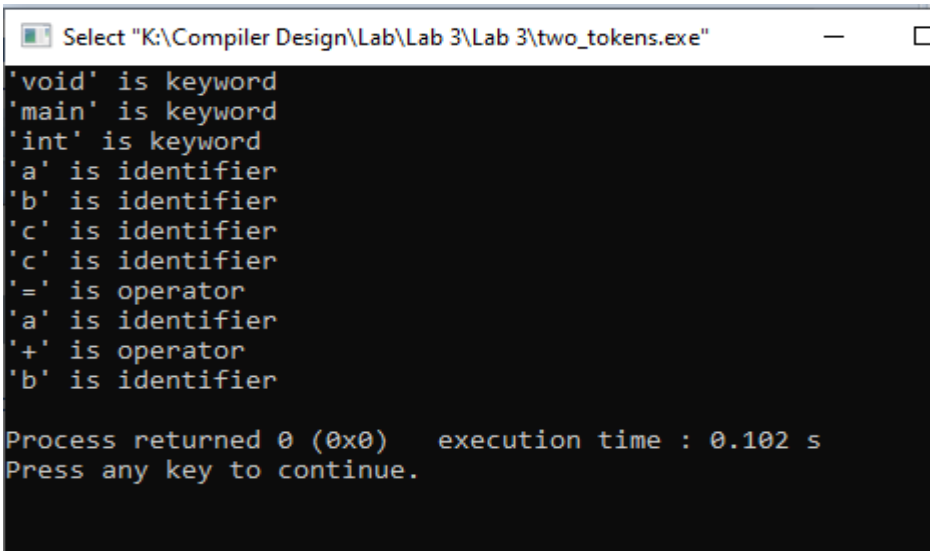
Lab Performance (02)

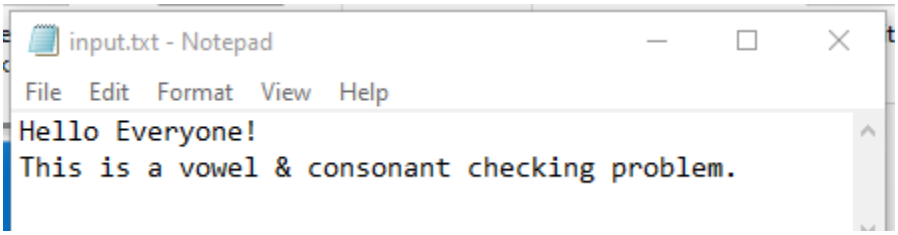
1. **Write a C/C++ program that can read program from a file and detect all the tokens (e.g. valid or invalid identifier, keyword, operator) from the file.**

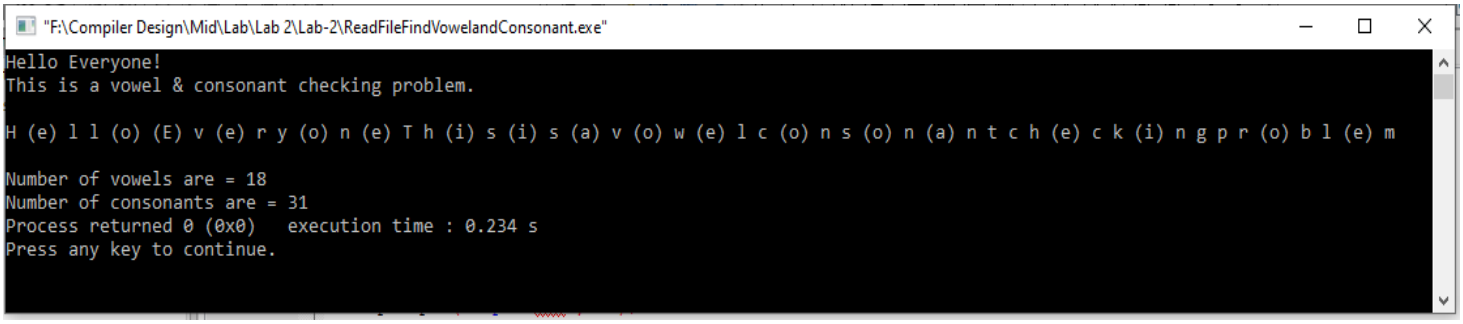
For example:





2. **Read a text message from a .txt file, calculate and print the number of vowels and consonants from the contents of that particular file in the console.**





Lab Performance (02)

3. Write a C/C++ program to check if expression is correctly parenthesized or not.

For example:

```
Enter expression: a+(b*c)/e-(f+g*(h^i))/j


Expression is valid.


Process returned 0 (0x0)   execution time : 57.189 s
Press any key to continue.
```

4. Write a C/C++ program that can remove comment lines from a program (a task of preprocessor).

For example:

```
Before removing comment:

#include <stdio.h>

int main()
{
    printf("Hello World"); //This is a single line comment
    return 0;

    /* This is a
    multi line
    comment... */
}
v1.0;C:\Win




After removing comment:

#include <stdio.h>

int main()
{
    printf("Hello World");     return 0;


}
v1.0;C:\Win
Process returned 0 (0x0)   execution time : 0.101 s
Press any key to continue.
```