CC LAB 03 | Lex Program

Aim: Count number of words starting with 'A'

Implementation:

```
%option noyywrap
%{
    #include <stdio.h>
    int a_count =0;

%}
alpha    [a-zA-Z]
digit     [0-9]
space    [ \t\n]
start      ^a

%%
{start} {a_count++;}
{space}[a|A][{alpha}|{digit}]* {a_count++;}
end return 0;

%%

int main(int argc, char *argv[])
{
    if (argc==2) {
        yyin=fopen(argv[1],"r");
    }
    else {
        printf("\nEnter the input:\n");
        yyin=stdin;
    }
    yylex();
    printf("\nWords Starting with A: %d\n", a_count);
    return 0;
}
```
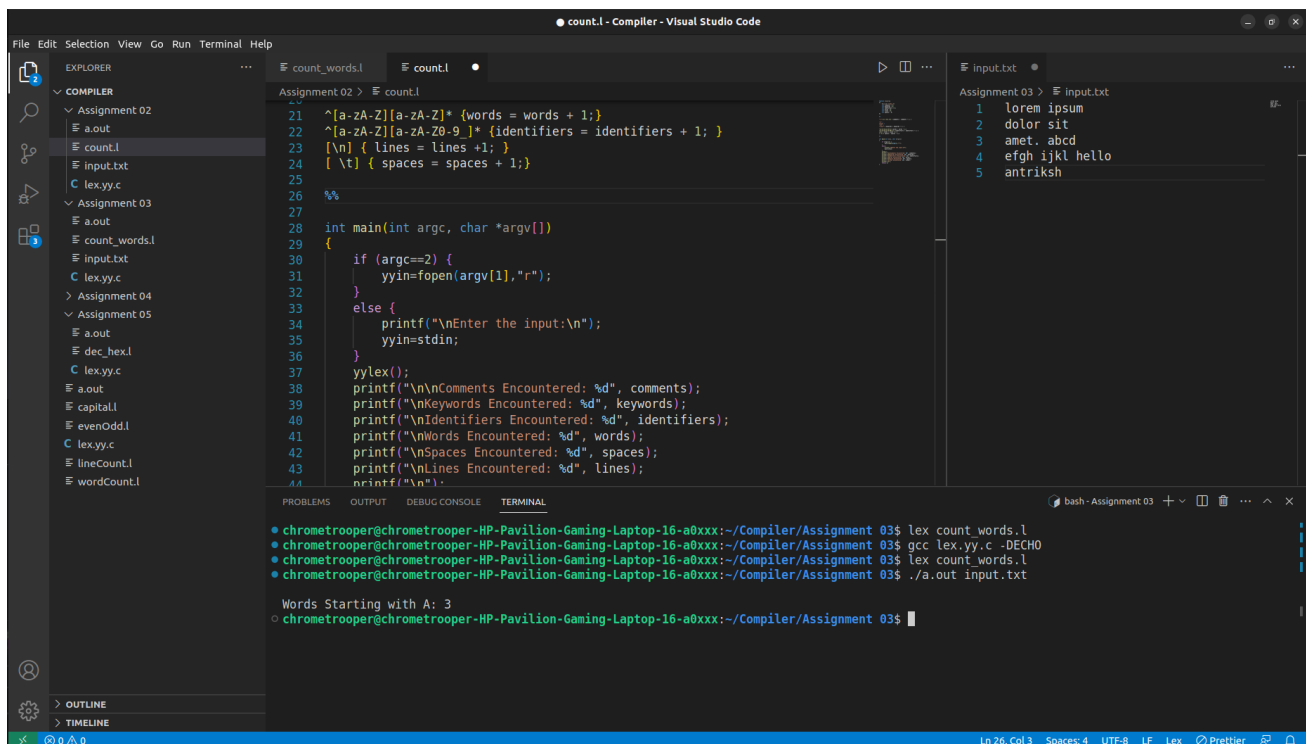
Input File:

Output: