Name: Sangeet Agrawal, PRN: 21070122140, CS-B3 (2021-25)
Practical No-3
* Title: Count number of words starting with A!
* Objectives: Students will learn and implement
-> Len as a sammer
* Objectives: Students will learn and implement -> Len as a sammer -> Count number of words starting with specific letter.
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* Description:
i) Greate a LEX file that first.
ii) Initialize count variables as a zero
and start.
iv) In Rules section, write rules for start condition
iv) In Rule section, write rules for start condition and for words starting with 'A'.
V) Counting variables needs to be incremented in the rules section too.
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vi) In the main body call yylen () and print the required count.
required count.
* Consusion: Thus, we have implemented a same
Granner to sount the pumber of words starting
* Conclusion: Thus, we have implemented a same seamer to count the number of words starting with a specific letter.

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Code:
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%{
#include <stdio.h>
int count = 0;
%}
alpha [a-zA-Z]
digit [0-9]
space [ \t\n]
^[aA][a-zA-Z0-9]* {
    printf("%s\n", yytext);
    count++;
}
{\operatorname{space}}([aA][a-zA-Z0-9]*) {
    printf("%s\n", yytext);
    count++;
}
%%
int main() {
    yylex();
    printf("count = %d\n", count);
    return 0;
}
int yywrap() {
    return 1;
}
```

Output:

