PROGRAM : 3

Question: Write a lex code for Count the total number of valid strings.

Code:

```
%{
#include<stdio.h>
int sCount =0;
%}
%%
[a-zA-Z]+ {sCount++;printf("%s is a word\n",yytext);}
. ;
%%
int yywrap(){return 1;}
int main(){
printf("Enter String: ");
yylex();
printf("No.of valid Strings : %d\n", sCount);
return 0;
}
```

Output:

soumyadip@SOUMYADIP:~/Compiler Design$ flex CountString.l

soumyadip@SOUMYADIP:~/Compiler Design$ gcc -o CountString lex.yy.c -lfl

soumyadip@SOUMYADIP:~/Compiler Design$ ./CountString

Enter String: Hi I am Soumyadip Barik

Hi is a word

I is a word

am is a word

Soumyadip is a word

Barik is a word

No.of valid Strings : 5