

**PROGRAM : 4**

**Question :** Write a lex code for Identify the keyword and the identifier

**Code :**

```
%{
int idCount = 0;

int varCount = 0;

}%

%%

"int"|"float"|"char"|"if"|"else" {
idCount++;

printf("%s is an identifier\n", yytext);
}

[a-zA-Z]+[0-9]* {
varCount++;

printf("%s is a variable\n", yytext);
}

%%

int yywrap() {

return 1;

}

int main() {

printf("Enter some string:\n");

yylex();

printf("No. of identifiers: %d\nNo. of variables: %d\n", idCount,

varCount);

return 0;

}
```

**Output :**

soumyadip@SOUMYADIP:~/Compiler Design\$ ./KeywordIdentifier

Enter some string:

int sum=10;

int is an identifier

sum is a variable

=10;

No. of identifiers: 1

No. of variables: 1