

lex pro:

```
%{  
  
    #include "a.tab.h"  
%}  
  
%%  
[A-Z] {return UPPER;}  
[a-zA-Z] {return LETTER;}  
[0-9] {return DIGIT;}  
[\n] {return NL;}  
. {return yytext[0];}  
%%
```

yacc pro:

a.y

```
%{  
#include<stdio.h>  
#include<stdlib.h>  
%}  
%token DIGIT LETTER UPPER NL  
%%  
stmt: s NL {printf("valid identifiers\n"); exit(0);}  
;  
s : UPPER dig | UPPER let  
;  
dig: DIGIT DIGIT DIGIT DIGIT DIGIT  
;  
let : LETTER LETTER LETTER LETTER LETTER  
;  
%%  
int yyerror(char *msg)  
{  
printf("Invalid variable\n");  
exit(0);  
}  
main()  
{  
printf("enter the variable: \n");  
yyparse();  
}  
int yywrap()  
{  
return 1;  
}
```