```
1    %{
2    #include<stdio.h>
3    %}
4
5    %%
6    if|else|printf|do|while {printf("%s is a keyword\n",yytext);}
7    [0-9]+ {printf("%s is a number\n",yytext);}
8    [a-zA-Z]+ {printf("%s is a word\n",yytext);}
9
10   [\t|\n];
11   %%
12
13   int main()
14   {
15           printf("Enter string: ");
16           yylex();
17   }
18
19   int yywrap()
20   {
21           return 1;
22   }
23
```