

```
%{
```

```
#include <stdio.h>
```

```
%}
```

```
%option noyywrap
```

```
LETTER [A-Za-z]
```

```
VOWEL [AEIOUaeiou]
```

```
%%
```

```
{VOWEL} { printf("%s is a vowel\n", yytext); }
```

```
{LETTER} { printf("%s is a consonant\n", yytext); }
```

```
[ \t\r\n]+ { /* Ignore spaces and newlines */ }
```

```
. { printf("%s is not an alphabet\n", yytext); }
```

```
%%
```

```
int main(void)
```

```
{
```

```
    printf("Enter a string: ");
```

```
    yylex();
```

```
    return 0;
```

```
}
```