

```

%{
#include <stdio.h>

int yywrap() {
return 1;
}
%}

digit [0-9]
alpha [a-zA-Z]
alnum [a-zA-Z0-9]
float {digit}+ "." {digit}*
integer {digit}+

constant ("'"[^']*'" | "\".*\""|{float}|{integer})

%%

#"("include"|"define").* { /* Ignore preprocessor directives */ }

{constant} { printf("Constant: %s\n", yytext); }

. { /* Ignore any other character */ }

%%

int main(int argc, char *argv[]) {
if (argc > 1) {
FILE *file = fopen(argv[1], "r");
if (!file) {
perror("fopen");
return 1;
}
yyin = file;
yylex();
fclose(file);
} else {
printf("Usage: %s <C source file>\n", argv[0]);
}
return 0;
}

```

}

```
C:\Windows\System32\cmd.exe x + v

Constant: "."

Constant: "[^"]*"|'\''.*\'

Constant: "#(\"include\"|\"define\"

Constant: \"Constant: %s\\n\"

Constant: 1
Constant: 1
Constant: \"r\"

Constant: \"fopen\"
Constant: 1

Constant: \"Usage: %s <C source file>\\n\"
Constant: 0

Constant: 0

C:\\Users\\geeth\\OneDrive\\Desktop\\compiler prgms>
```