```
%{
#include<stdio.h>
%}
%%
[httpwww://a-zA-Z.com]+ {printf("\n%s is url",yytext);}
.+ {printf("\n%s is not an url",yytext);}
%%

int yywrap(){}
int main()
{
while(yylex());
}
```

```
C:\Users\Gokul Srinivasan>set path=C:\Program Files\GnuWin32\bin

C:\Users\Gokul Srinivasan>flex url.l.txt

C:\Users\Gokul Srinivasan>set path=C:\MinGW\bin

C:\Users\Gokul Srinivasan>gcc lex.yy.c

C:\Users\Gokul Srinivasan>a
http://fghj.com

http://fghj.com is url
```

```
%{
#include<stdio.h>
%}
%%
[//|/*a-zA-Z*/]+ {printf("\n%s is comment",yytext);}
.+ {printf("\n%s is not an comment",yytext);}
%%

int yywrap(){}
int main()
{
while(yylex());
}
```

```
C:\Users\Gokul Srinivasan>set path=C:\Program Files\GnuWin32\bin

C:\Users\Gokul Srinivasan>flex command.l.txt

C:\Users\Gokul Srinivasan>set path=C:\MinGW\bin

C:\Users\Gokul Srinivasan>gcc lex.yy.c

C:\Users\Gokul Srinivasan>a
/*Command me*/

/*Command me*/ is not an comment
fkjdfd

fkjdfd is comment
*/gbFD/*

*/gbFD/* is comment
```

File   Edit   View

```
%{
#include<stdio.h>
%}
%%
[0-9]+ {printf("\n%s is digit",yytext);}
.+ {printf("\n%s is not an digit",yytext);}
%%

int yywrap(){}
int main()
{
while(yylex());
}
```

```
C:\Users\Gokul Srinivasan>set path=C:\Program Files\GnuWin32\bin

C:\Users\Gokul Srinivasan>flex digit.l.txt

C:\Users\Gokul Srinivasan>set path=C:\MinGW\bin

C:\Users\Gokul Srinivasan>gcc lex.yy.c

C:\Users\Gokul Srinivasan>a
3

3 is digit
erd

erd is not an digit
```

```
%{
#include<stdio.h>
%}
%%
[a-zA-Z][a-zA-Z0-9]+ {printf("\n%s is identifier",yytext);}
.+ {printf("\n%s is not an identifier",yytext);}
%%

int yywrap(){}
int main()
{
while(yylex());
}
```

```
C:\Users\Gokul Srinivasan>set path=C:\Program Files\GnuWin32\bin

C:\Users\Gokul Srinivasan>flex indent.l.txt

C:\Users\Gokul Srinivasan>set path=C:\MinGW\bin

C:\Users\Gokul Srinivasan>gcc lex.yy.c

C:\Users\Gokul Srinivasan>a
q456j

q456j is identifier
76g

76g is not an identifier
```

```
C:\Users\Gokul Srinivasan>set path=C:\Program Files\GnuWin32\bin

C:\Users\Gokul Srinivasan>flex keynot.l.txt

C:\Users\Gokul Srinivasan>set path=C:\MinGW\bin

C:\Users\Gokul Srinivasan>gcc lex.yy.c

C:\Users\Gokul Srinivasan>a
else

else is keyword
ggk

ggk is not an keyword
if

if is keyword
```

```
%{
#include<stdio.h>
%}
%%
[int|main|void|return|switch|case|if|float|char|printf]+ {printf("\n%s is keyword",yytext);}
.+ {printf("\n%s is not an keyword",yytext);}
%%

int yywrap(){}
int main()
{
while(yylex());
}
```

```
mobilenumber.l - Notepad

File    Edit    View


%{
#include<stdio.h>
%}
%%
[6-9][0-9]{9}+ {printf("\n%s is mobilenumber",yytext);}
.+ {printf("\n%s is not an mobilenumber",yytext);}
%%

int yywrap(){}
int main()
{
while(yylex());
}
```

```
C:\Users\Gokul Srinivasan>set path=C:\Program Files\GnuWin32\bin

C:\Users\Gokul Srinivasan>flex mobilenumber.l.txt

C:\Users\Gokul Srinivasan>set path=C:\MinGW\bin

C:\Users\Gokul Srinivasan>gcc lex.yy.c

C:\Users\Gokul Srinivasan>a
6383709901

6383709901 is mobilenumber
1234567890

1234567890 is not an mobilenumber
```

```
%{
#include<stdio.h>
%}
%%
^[-][0-9]+ {printf("\n%s is negative",yytext);}
[0-9]+ {printf("\n%s is an positive",yytext);}
%%

int yywrap(){}
int main()
{
while(yylex());
}
```

```
C:\Users\Gokul Srinivasan>set path=C:\Program Files\GnuWin32\bin

C:\Users\Gokul Srinivasan>flex positive.l.txt

C:\Users\Gokul Srinivasan>set path=C:\MinGW\bin

C:\Users\Gokul Srinivasan>gcc lex.yy.c

C:\Users\Gokul Srinivasan>a
-09

-09 is negative
88

88 is an positive
```

```
%{
#include<stdio.h>
int vow_count=0;
int const_count=0;
%}
%%
[aeiouAEIOU] {vow_count++;} {printf("\n%s is vowels",yytext);}
[a-zA-Z] {const_count++;} {printf("\n%s is constont",yytext);}
%%

int yywrap(){}
int main()
{
while(yylex());
}
```

```
C:\Users\Gokul Srinivasan>set path=C:\Program Files\GnuWin32\bin

C:\Users\Gokul Srinivasan>flex vowels.l.txt

C:\Users\Gokul Srinivasan>set path=C:\MinGW\bin

C:\Users\Gokul Srinivasan>gcc lex.yy.c

C:\Users\Gokul Srinivasan>a
Eleanor

E is vowels
l is constont
e is vowels
a is vowels
n is constont
o is vowels
r is constont
```

```
%{
#include<stdio.h>
%}
%%
[0-9a-z@gmailyahoosaveetha.com]+ {printf("\n%s is valid gmail",yytext);}
.+ {printf("\n%s is not an valid gmail",yytext);}
%%

int yywrap(){}
int main()
{
while(yylex());
}
```

```
C:\Users\Gokul Srinivasan>set path=C:\Program Files\GnuWin32\bin

C:\Users\Gokul Srinivasan>flex email.l.txt

C:\Users\Gokul Srinivasan>set path=C:\MinGW\bin

C:\Users\Gokul Srinivasan>gcc lex.yy.c

C:\Users\Gokul Srinivasan>a
asrinivasan211970@gmail.com

asrinivasan211970@gmail.com is valid gmail
ASHA#@yahoo.com

ASHA#@yahoo.com is not an valid gmail
```