

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\Program Files (x86)\GnuWin32\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>flex 22.l.txt
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\MinGW\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>gcc lex.yy.c
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>a.exe 22sample.c  
usage : a.exe input.c output.c
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\Program Files (x86)\GnuWin32\bin
C:\Users\yashu\OneDrive\Desktop\compiler>flex lex.l.txt
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\MinGW\bin
C:\Users\yashu\OneDrive\Desktop\compiler>gcc lex.yy.c
C:\Users\yashu\OneDrive\Desktop\compiler>a.exe 21sample.c
usage : a.exe input.c output.c
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\Program Files (x86)\GnuWin32\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>flex 23.1.txt
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\MinGW\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>gcc lex.yy.c
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>a.exe
```

```
Enter String :
```

```
YASHU IS A GOOD GIRL
```

```
YASHU is a capital word
```

```
IS is a capital word
```

```
A is a capital word
```

```
GOOD is a capital word
```

```
GIRL
```

```
is a capital word
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\Program Files (x86)\GnuWin32\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>flex 24.1.txt
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\MinGW\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>gcc lex.yy.c
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>a.exe  
ss123@gmail.com
```

```
^Z
```

```
Accepted
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\Program Files (x86)\GnuWin32\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>flex 25.l.txt
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\MinGW\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>gcc lex.yy.c
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>a.exe
```

```
ABc
```

```
ABc
```

```
^Z
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\Program Files (x86)\GnuWin32\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>flex 26.l.txt
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\MinGW\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>gcc lex.yy.c
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>a.exe
```

```
0123456789
```

```
Valid mobile number: 0123456789
```

```
C:\Windows\System32\cmd.e  X  +  v  -  □  X

C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\Program Files (x86)\GnuWin32\bin

C:\Users\yashu\OneDrive\Desktop\compiler>flex 27.l.txt

C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\MinGW\bin

C:\Users\yashu\OneDrive\Desktop\compiler>gcc lex.yy.c

C:\Users\yashu\OneDrive\Desktop\compiler>a.exe 27sample.c
Preprocessor Directive: #include
Operator: &
Identifier: lt
Symbol: ;
Identifier: stdio
Unknown: .
Identifier: h
Operator: &
Identifier: gt
Symbol: ;
Keyword: void
Function: main
Symbol: (
Symbol: )
Symbol: {
Keyword: int
Identifier: a
Unknown: ,
Identifier: b
Unknown: ,
Identifier: c
Operator: =
Number: 30
Symbol: ;
Function: printf
Symbol: (
Operator: &
Identifier: quot
Symbol: ;
Identifier: hello
Operator: &
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\Program Files (x86)\GnuWin32\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>flex 28.l.txt
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\MinGW\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>gcc lex.yy.c
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>a.exe
```

```
hello World!
```

```
^Z
```

```
Number of vowels: 3
```

```
Number of consonants: 7
```



```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\Program Files (x86)\GnuWin32\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>flex 31.l.txt
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\MinGW\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>gcc lex.yy.c
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>a.exe
```

```
123456
```

```
positive number = 123456
```

```
-12-4
```

```
negative number = -12
```

```
-positive number = 4
```

```
^Z
```

```
number of positive numbers = 2,number of negative numbers = 1
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\Program Files (x86)\GnuWin32\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>flex 32.l.txt
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\MinGW\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>gcc lex.yy.c
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>a.exe
```

```
Enter URL : https://www.sse.in
```

```
URL Invalid
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\Program Files (x86)\GnuWin32\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>flex 33.l.txt
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\MinGW\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>gcc lex.yy.c
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>a.exe
```

```
21\03\2006
```

```
Invalid DoB
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\Program Files (x86)\GnuWin32\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>flex 34.l.txt
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\MinGW\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>gcc lex.yy.c
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>a.exe
```

```
21
```

```
Valid digit
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\Program Files (x86)\GnuWin32\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>flex 35.l.txt
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\MinGW\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>gcc lex.yy.c
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>a.exe
```

```
20+50*10
```

```
The answer is = 70.000000|
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\Program Files (x86)\GnuWin32\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>flex 30.l.txt
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\MinGW\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>gcc lex.yy.c
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>a.exe  
yashu
```

```
yashu is WORD  
y
```

```
y is WORD  
1
```

```
1 is NUMBER
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\Program Files (x86)\GnuWin32\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>flex 29.l.txt
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\MinGW\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>gcc lex.yy.c
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>a.exe 29sample.c
```

```
include is a keyword
```

```
stdio.h is a standard library
```

```
void is a keyword
```

```
main is a keyword
```

```
int is a keyword
```

```
a is a identifier
```

```
b is a identifier
```

```
c is a identifier
```

```
30 is a number
```

```
printf is a keyword
```

```
"hello" is a string literal
```

```
number of identifiers = 3
```

```
number of keywords = 5
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\Program Files (x86)\GnuWin32\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>flex 40.l.txt
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\MinGW\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>gcc lex.yy.c
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>a.exe
```

```
hello==
```

```
Word: hello
```

```
Relational Operator: ==
```



```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\Program Files (x86)\GnuWin32\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>flex 36.l.txt
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\MinGW\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>gcc lex.yy.c
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>a.exe
```

```
apple
```

```
Valid: apple
```

```
banana
```

```
Invalid: banana
```

^~~~~~

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\Program Files (x86)\GnuWin32\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>flex 37.1.txt
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\MinGW\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>gcc lex.yy.c
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>a.exe
```

```
Enter text: yashu is very good girl
```

```
^Z
```

```
The length of the longest word is: 5
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\Program Files (x86)\GnuWin32\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>flex 38.l.txt
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\MinGW\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>gcc lex.yy.c
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>a.exe
```

```
Enter the word to be counted: hello world hello everyone
```

```
Enter the sentence: hello world hello world hello world hello everyone
```

```
^Z
```

```
The word 'hello' appears 5 times.
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\Program Files (x86)\GnuWin32\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>flex 39.l.txt
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>set path=C:\MinGW\bin
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>gcc lex.yy.c
```

```
C:\Users\yashu\OneDrive\Desktop\compiler>a.exe 39sample.c
```

```
Enter the word to be replaced: hello
```

```
Enter the replacement word: hi
```

```
Enter the input file path: 39sample.c
```

```
hi world
```