

## Lab Practice Session # 1

Course Title: Compiler Construction Lab (CSTE-4106)

1. Write a C program to handle errors in lexical analysis phase (See Lecture-3 for more examples)

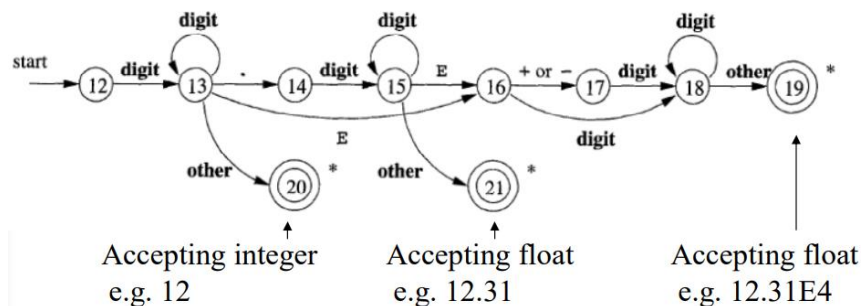
### Sample Input/Output

Enter a code:

```
int main()
{
    printf("HI"); $
    Return 0;
}
```

**Output:** Lexical error!

2. Write a C program that accept integer and floating-point numbers with exponentiation.



### Sample Input/Output

Enter a number: 12

Accepted!!

Enter a number: 12.31E4

Accepted!!

Enter a number: 15.4E

Rejected!!

3. Write a C program to find epsilon closure of an NFA.

### Sample Input/Output

#### Input:

A 1 A  
A 0 B  
A e B  
B 0 C  
B e C

#### Output:

No of states: 3

States are:

A  
B  
C

Epsilon closure (A) = { A B C }

Epsilon closure (B) = { B C }

Epsilon closure (C) = { C }