Lab Practice Session # 1

Course Title: Compiler Construction Lab (CSTE-3112)

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

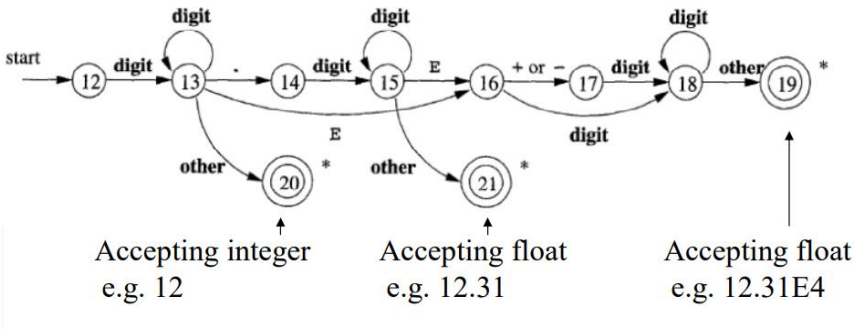
Sample Input/Output

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:	**Output:**
A 1 A A 0 B A e B B 0 C B e C	No of states: 3 States are: A B C Epsilon closure (A)= {A B C} Epsilon closure (B) = {B C} Epsilon closure (C) = {C}