

An extremely generalized algorithm of the lex.yy.c file would look like this :

```
Decision table definition
transition(state,input) definition

state_of_machine = start_state
while(!EOF)
{
    match :
        ichar = get_next_character()
        next_state = transition(state_of_machine,ichar)
        state_of_machine=next_state
    accept:
        If state_of_machine ∈ Accepting_states
            Execute corresponding action
            state_of_machine = start_state
    error:
        if state_of_machine = ∅
            Report error
            Reset input
            state_of_machine = start_state
}
```