





→ get\_token() : It searches for that lexeme in Look-Up table to see if its keyword or not.

- It returns keyword pointer if found in LookUP table.

- Else returns <ID>

- It can also verify length of <ID> if required.

→ If no transition is possible on a state, then lexer reports an error. And continues scanning from next character onwards.

→ LOOK-UP Table :

Pattern	Token
integer	INTEGER
real	REAL
boolean	BOOLEAN
of	OF
array	ARRAY
start	START
end	END
declare	DECLARE
module	MODULE
driver	DRIVER
program	PROGRAM
get-value	GET-VALUE
print	PRINT
use	USE
with	WITH
parameters	PARAMETERS
takes	TAKES
input	INPUT
returns	RETURNS
for	FOR
in	IN
switch	SWITCH
case	CASE
break	BREAK

Pattern	Token
default	DEFAULT
while	WHILE
AND	AND
OR	OR
true	TRUE
false	FALSE

→ \* : means retract the input to one position.

→ After return statement in final states of DFA, lexer will go back to start state of the DFA.