

7/11/21

Cycle 2 : Experiment 3

Malavika P.V
CS7BAim:Roll No 31
MPL18CS068

To write a yacc program to recognize a valid variable which starts with a letter followed by any number of letters or digits.

Algorithm:

Step 1: Start

Step 2: In yacc file, initialize variable valid as 1.

Step 3: In rule section add rule for checking for a valid variable which is that the starting character should be a letter. This can be followed by any number of letters or digits.

Step 4: Lex file checks for different regular expressions and helps in identifying tokens.

Step 5: If step 3's rule is not followed, call yyerror() which prints not an identifier and resets valid variable to 0.

Step 6: In main function, input name to be tested for identifier and parse it.

Step 7: If valid, print as valid identifier else go to step 5.

Step 8: Stop

Result:

Output generated successfully.