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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.

# Cycle 2

Malavika R Vikraman

CS7B – Roll No :31

## Question 3

Write a YACC program to recognize a valid variable which starts with a letter followed by any number of letters or digits.

**Output :**

```
e2\Pg3>a
```

```
Enter a name to tested for identifier prog
```

```
It is a identifier!
```

```
C:\Users\malav\OneDrive\Documents\CDLab\Cycle2\Pg3>a
```

```
Enter a name to tested for identifier 1prog
```

```
Its not a identifier!
```

```
C:\Users\malav\OneDrive\Documents\CDLab\Cycle2\Pg3>
```