

Assignment - VIII Compiler Design Laboratory (CS3075)
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The description of source language operators are given as follows

Operators	Precedence	Associativity
Parenthesis ()	Highest	Right to left
Unary minus (-)		Left to right
* / %		Left to right
+ -		Left to right
=	Lowest	Right to left

Identifiers A-Z are single length strings represent variables stored in memory.

Temporary t1,t2,... are temporary variables in three-address intermediate code.

Write a program to generate three-address code for a given algebraic expression following the given information.

Sample input: $A-B+C/D/E$

Output

```
t1=A-B
t2=C/D
t3=t2/E
t4=t1+t3
```

Solution File: *lab8.l , lab8.y*

Compile with g++ (C++ libraries used in program)

Working Screenshot:

```
[(base) amiyachowdhury@Amiyas-M
ENTER ARITHMETIC EXPRESSION (f
A+B*D
t0 = B X D
t1 = A+t0
VALID EXPRESSION!! Postfix exp
A B D X +
C*(A+B)/D
t0 = A+B
t1 = C X t0
t2 = t1 / D
VALID EXPRESSION!! Postfix exp
C A B + X D /
```