Assignment IV

**Transform each of the following expressions to prefix and postfix**

1. A+B-C

=AB+C-

=-+ABC

2. (A+B)\*(C-D)$E\*F

3. (A+B)\*(C$(D-E)+F)-G

4. A+(((B-C)\*(D-E)+F)/G)$(H-J)

**Transform each of the following prefix expressions to infix**

1. +-ABC

=A-B+C

2. +A-BC

=A+B-C

3. ++A-\*$BCDI +EF\*GHI

4. +-$ABC\*D\*\*EFG

**Transform each of the following postfix expressions to infix**

1. AB+C-

2. ABC+-

3. AB-C+DEF-+$

4. ABCDE-+$\*EF\*-

**Apply the evaluation algorithm in the text to evaluate the following postfix expressions Assume A=1,B=2,C=3**

1. AB+C-BA+C$-

2. ABC+\*CBA-+\*

**Create a table and convert the following infix to postfix**

1. A - B + C becomes A B - C +

2. A \* B ^ C + D becomes A B C ^ \* D +

3. A \* (B + C \* D) + E becomes A B C D \* + \* E +

**MISSING GAP "THIS QUESTION SHOULD BE STRICTLY DONE"**

**1. I've uploaded Expression\_Trees.pdf file in Unit 3 folder do study it and try to answer the question of old question 2067 question number 5**

**2. So far we have discussed about queues now explain about "Priority Queue" how is this so different from other queues. Implement with C program.**