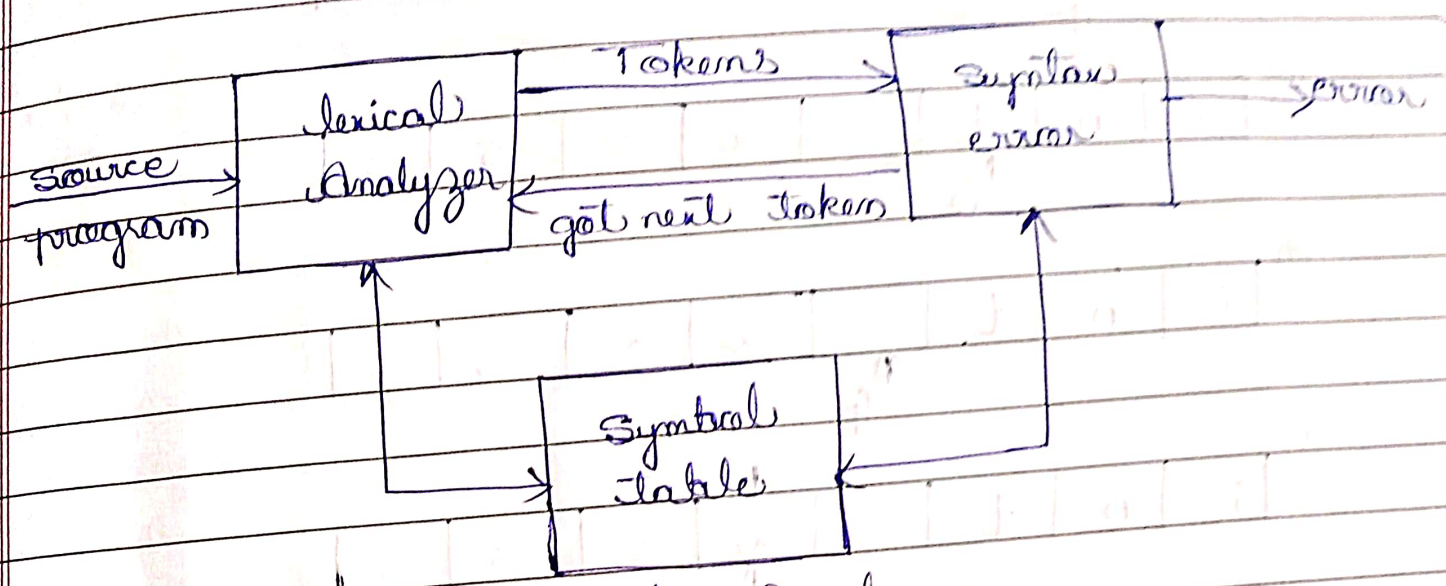


## experiment 2

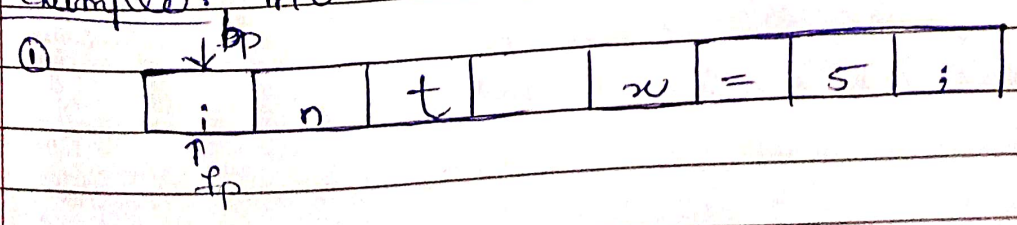


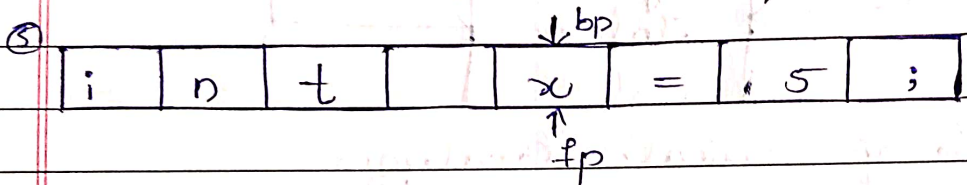
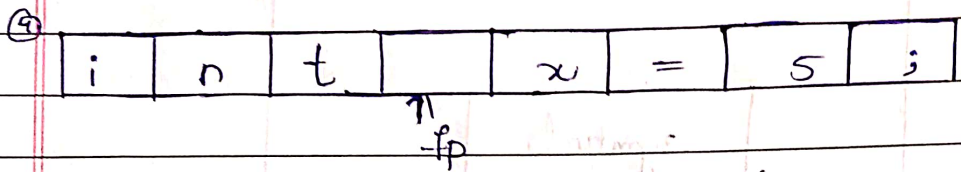
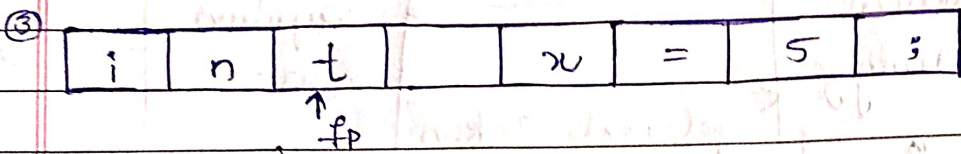
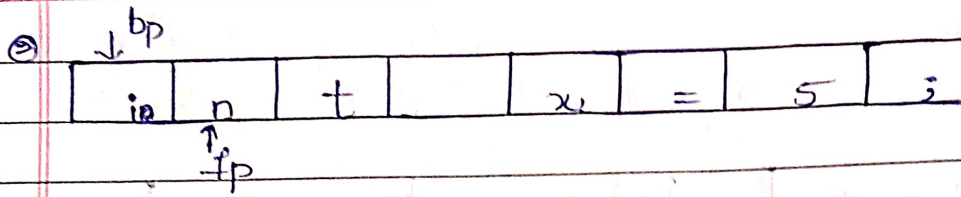
## Role of lexical Analyzer

### Algorithm :

1. Initially both the pointers point to the first character of the input string.
2. The forward pointer moves ahead.
3. As soon as it hits delimiter except blank space it would be considered as different lexeme.
4. If it hits blank space or any delimiter the string between fp & bp will be the different lexeme & stored in symbol table.
5. When fp hits white space, it ignore & move ahead.
6. Then both bp & fp are at next token, if it hits delimiter like special symbol, or operator then it stored in symbol table as different lexeme.

Example: `int x=5;`





int	x	=	5	;
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each one of this is considered as different lexeme  
 & stored in symbol table.