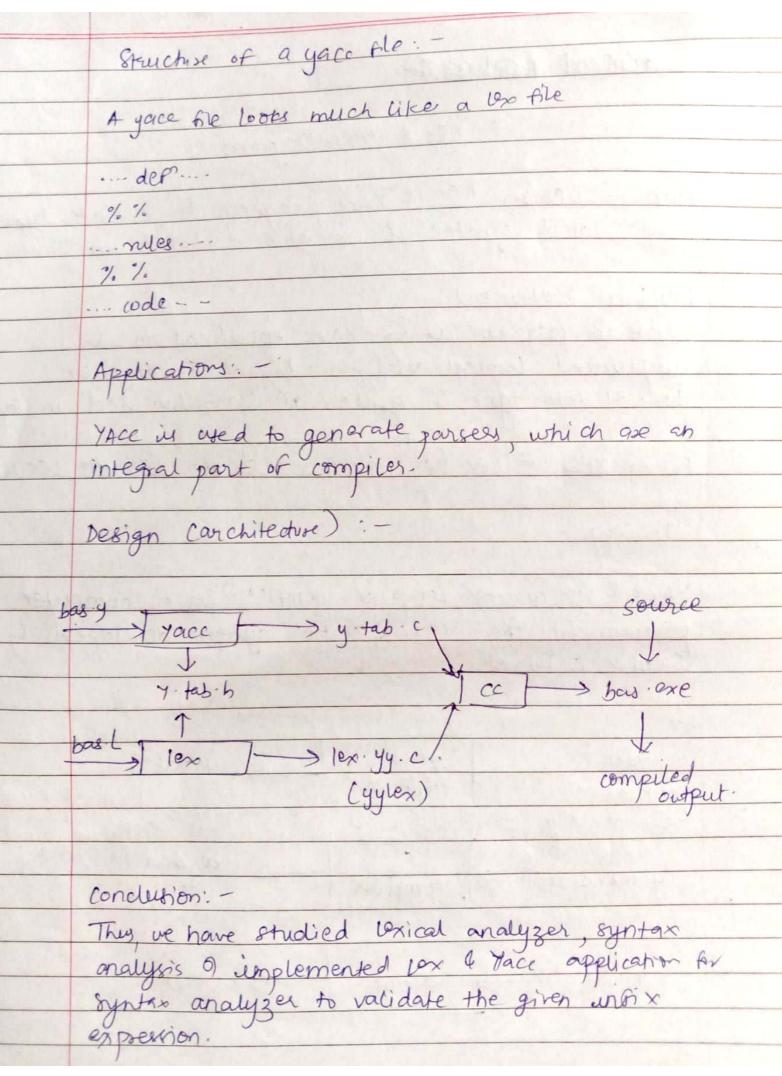
## 7. LEX & YACC Program Aim: - Design Lex & Yace program to validate type and cyntax of variable declaration in Javan Problem Statement: write a program using Yacc epecifications to implement lexical analysis. Playe of compiler to validate type a syntax of variable decl' in Java Preseguispieg - LEX 110, LEX 120, LEX 130, LEX 140, LEX 160, 20 Theory: -PACE ( Yet another compiler - compiler) is a computer program for the UNIX operating system developed by Stephen C. Johson. > y tab c compiler yacc specification eg. paxer.y > compiler y. tab. c input a out > output



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## Assignment No. 07 [LEX Program]

**Problem Satement**: Write a program using YACC specifications to implement syntax analysis phase of compiler to recognize simple and compound sentences given in input file

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## 1. Code b5.l:

```
% {
  #include<stdio.h>
  int simple=0;
% }
%%
[ \t ] [aA][nN][dD][ \t ] { simple=1; }
[ \t ] [bB] [uU] [tT] [\t ] {simple=1;}
[ \t ][oO][rR][ \t ] { simple=1; }
%%
int yywrap(){
}
int main(){
  printf("Enter sentence: \n");
           if(simple==1){
yylex();
     printf("compound \n\n");
else{
     printf("simple \n\n");
return 0;
```

## **OUTPUT**

Pritam-spos@Pritam-HP:~/SPOSL/LexProgram/B5\$ lex b5.1
Pritam-spos@Pritam-HP:~/SPOSL/LexProgram/B5\$ gcc lex.yy.c
Enter sentence:
Hi Friends
Simple
Pritam-spos@Pritam-HP:~/SPOSL/LexProgram/B5\$ lex b5.1

Pritam-spos@Pritam-HP:~/SPOSL/LexProgram/B3\$ gcc lex.yy.c
Pritam-spos@Pritam-HP:~/SPOSL/LexProgram/B5\$ ./a.out
Enter sentence:
Hi friends or chai pilo
Compound