

实验报告

学号：

班级：

设计思路

定义非终结符 Pair 为一对括号或一对括号内含一个以上的 Pair

即可完成括号匹配

注意到空串也应返回 true

%%

String: %empty {result = 1;}

| Expr {result = 1;}

| error {result = 0;}

;

Expr: Pair

| Expr Pair

Pair: LP RP

| LB RB

| LC RC

| LP Expr RP

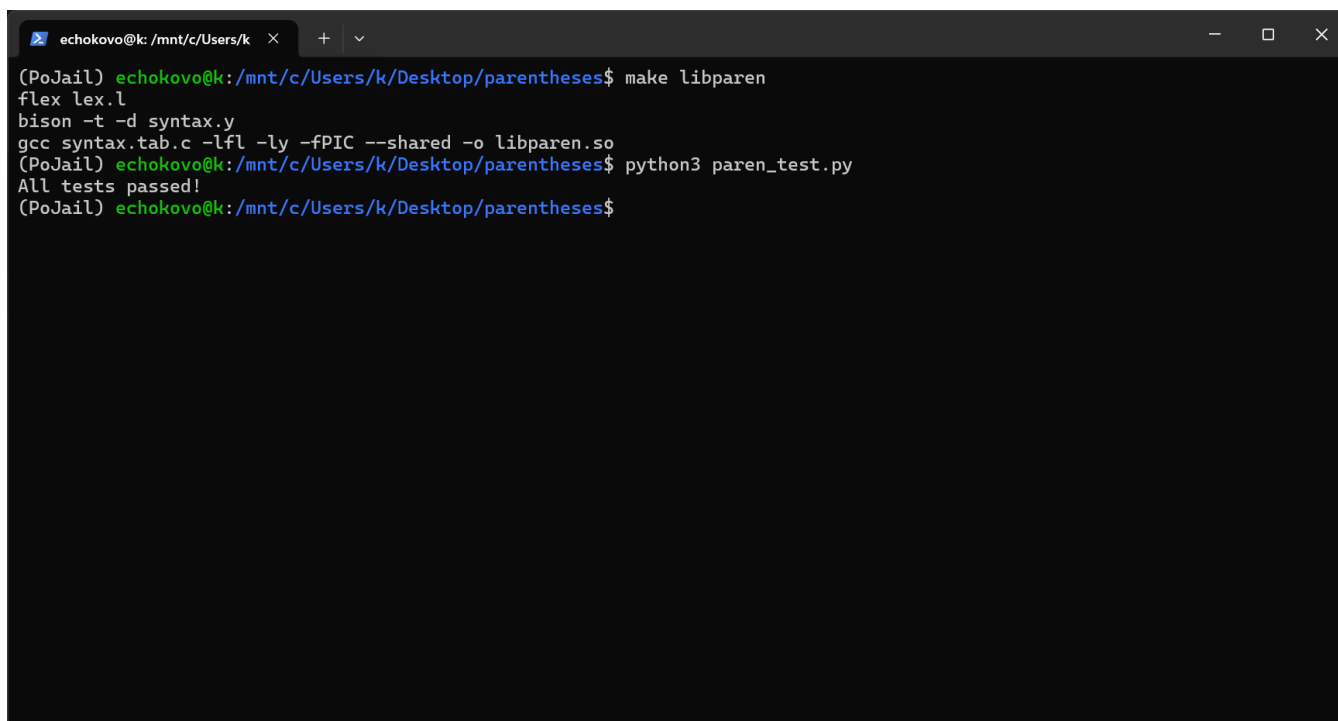
| LB Expr RB

| LC Expr RC

;

%%

通过截图



```
(PoJail) echokovo@k:/mnt/c/Users/k/Desktop/parentheses$ make libparen
flex lex.l
bison -t -d syntax.y
gcc syntax.tab.c -lfl -ly -fPIC --shared -o libparen.so
(PoJail) echokovo@k:/mnt/c/Users/k/Desktop/parentheses$ python3 paren_test.py
All tests passed!
(PoJail) echokovo@k:/mnt/c/Users/k/Desktop/parentheses$
```

The image shows a terminal window with a dark background. The window title bar indicates the user is 'echokovo' and the current directory is '/mnt/c/Users/k'. The terminal output shows the execution of a 'make' command to build a library 'libparen'. The build process involves running 'flex' on 'lex.l' and 'bison' on 'syntax.y', followed by 'gcc' to compile 'syntax.tab.c' into 'libparen.so'. After the build, the user runs 'python3 paren_test.py', which outputs 'All tests passed!'. The terminal prompt returns to the shell.