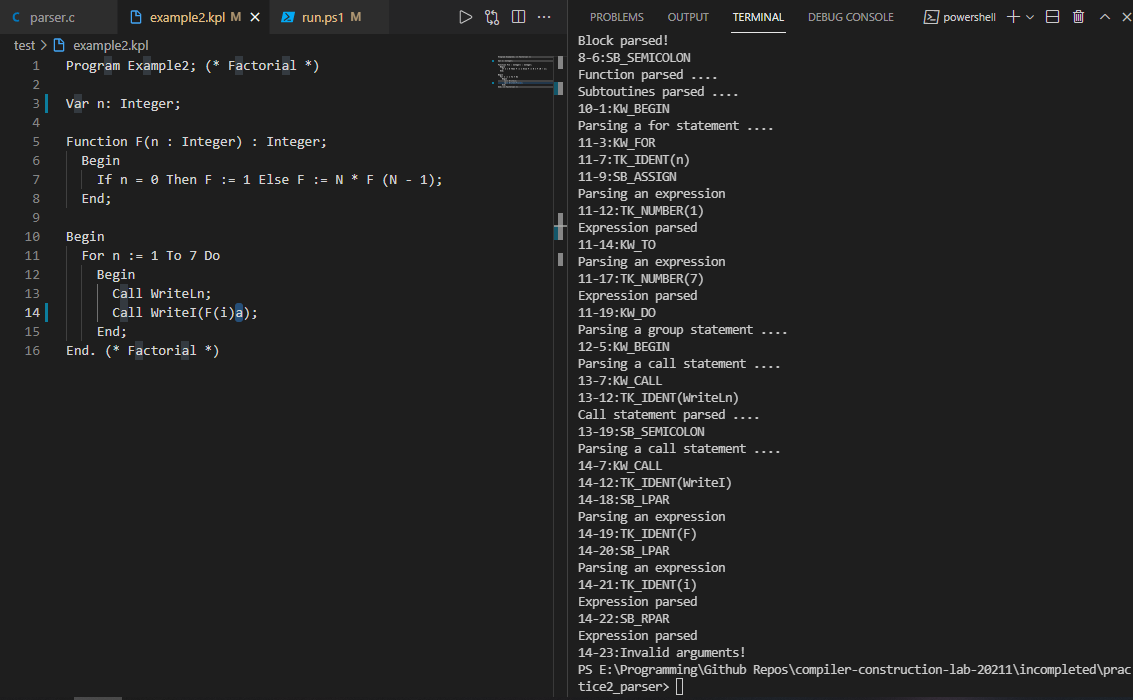
**EXTENDED PARSER**

**Ex 1**: Modify file example2.kpl so that it causes the error “Invalid arguments”

* Solution: Input a word behind the RPAR in line 14



**Ex 2**: Suppose syntax of declarations in KPL follows the following rules

Block ::= Declarations Block2

Block2 ::= KW\_BEGIN Statements KW\_END

Declarations::= ConstDecls Declarations|TypeDecls Declarations VarDecls Declarations|SubDecls Declarations|?

Constdecls ::= KW\_CONST ConstDecl ConstDecls2

ConstDecls2::= ConstDecl ConstDecls2

ConstDecls2::= eps

TypeDecls ::= KW\_TYPE TypeDecl TypeDecls2

TypeDecls2 ::= TypeDecl TypeDecls2

TypeDecls2 ::= eps

VarDecls ::= KW\_VAR VarDecl VarDeclrs2

VarDecls2 ::= VarDecl VarDecls

VarDecls2 ::= eps

SubDecls ::= FunDecl SubDecls|ProcDecls SubDecls|?

FunDecl ::= KW\_FUNCTION TK\_IDENT Params SB\_COLON BasicType SB\_SEMICOLON Block SB\_SEMICOLON

ProcDecl ::= KW\_PROCEDURE TK\_IDENT Params SB\_SEMICOLON Block SB\_SEMICOLON

Modify relevant functions in your parser to match the new rules

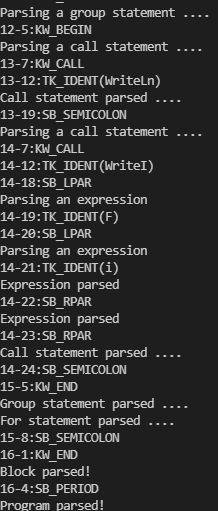
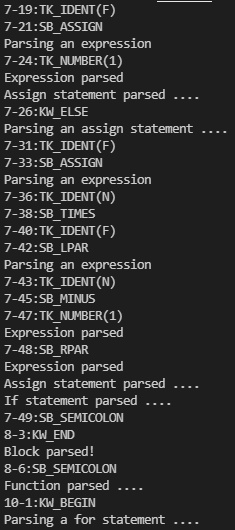
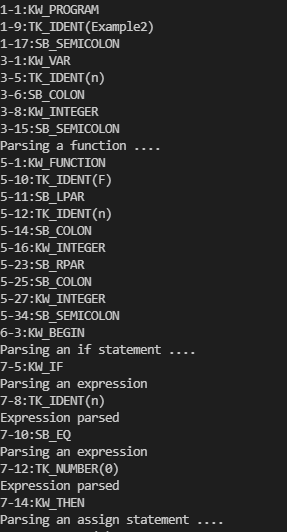
* Solution: I added:

void compileDecls(void)

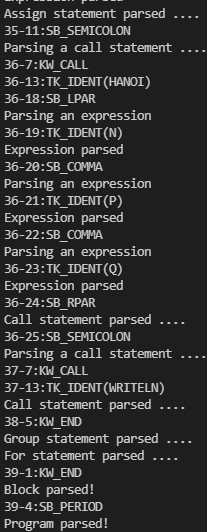
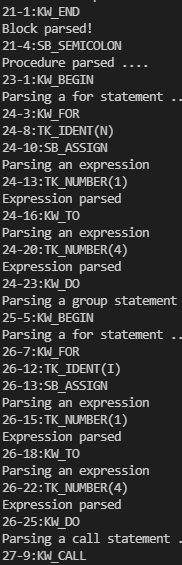
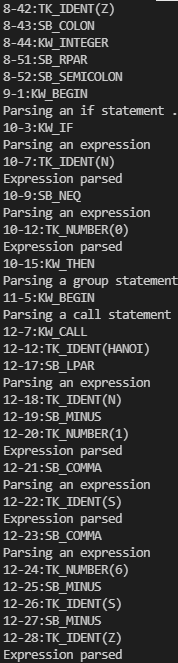
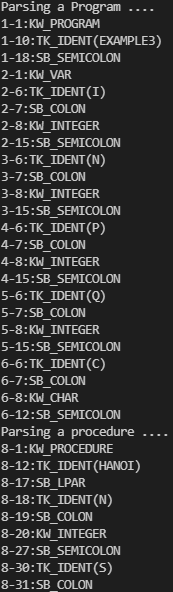
*Example 1:*



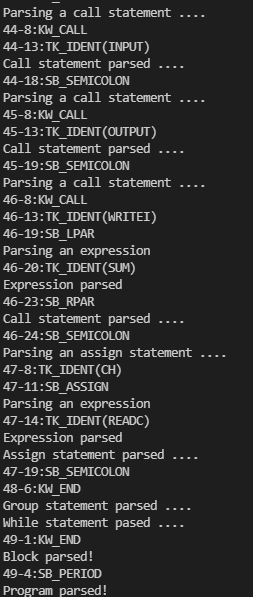
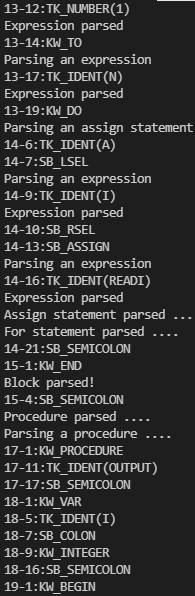
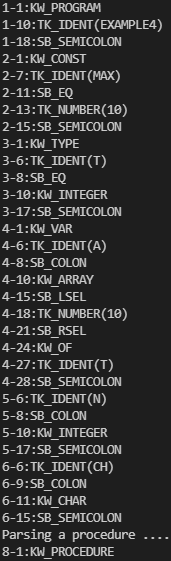
*Example 2:*



*Example 3:*



*Example 4:*



*Example 5:*

