**预习作业2**

1. 设计产生式描述while语句

stmt→while ( expr ) stmt

1. 设计产生式描述for语句

stmt→for( expr;expr;expr ) stmt

1. 设计产生式描述变量声明语句

type→int|float|double|char

id→id1|id2

2.

推导过程：

expr→expr - term

→term-term

→factor-term

→7-term

→7-term\*factor

→7-factor\*factor

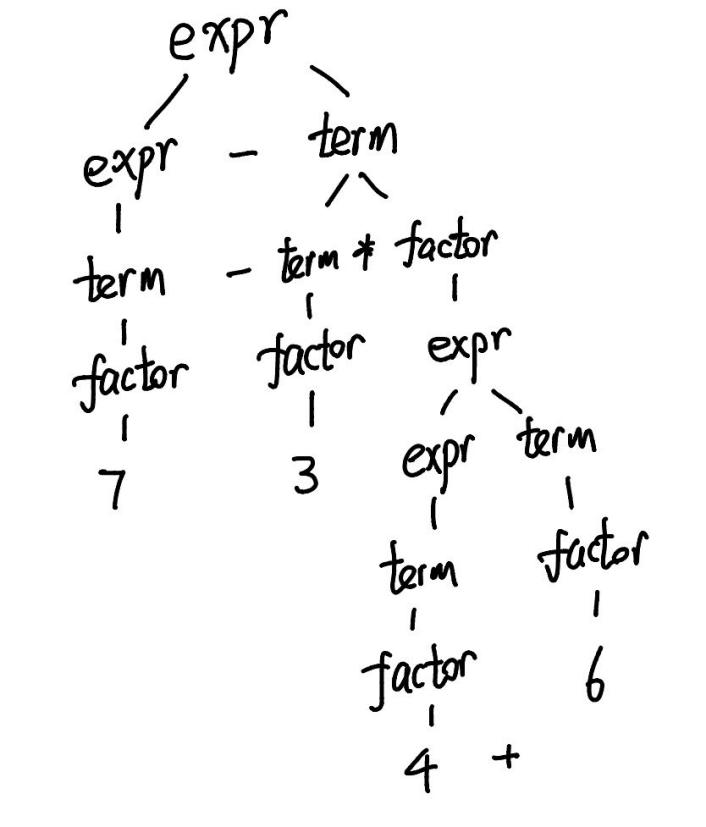
→7-3\*expr

→7-3\*(expr+term)

→7-3\*(term+term)

→7-3\*(factor+term)

→7-3\*(4+term)

→7-3\*(4+factor)

→7-3\*(4+6)

语法分析树：

3.

