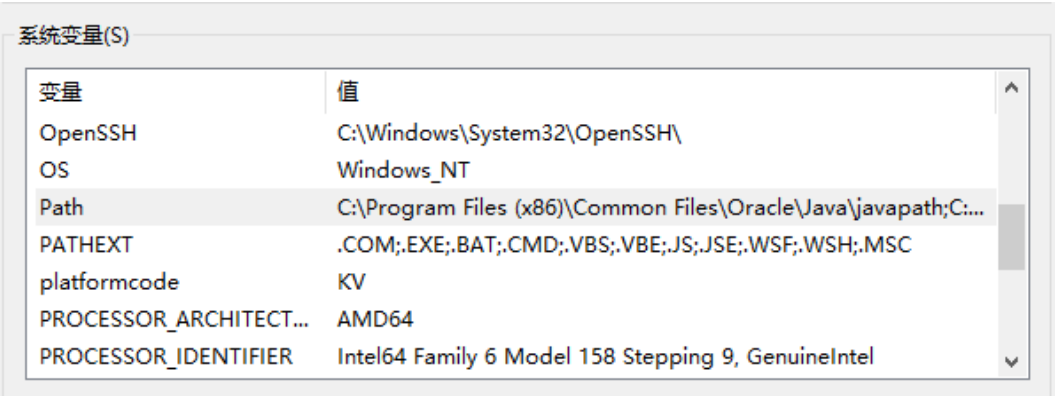
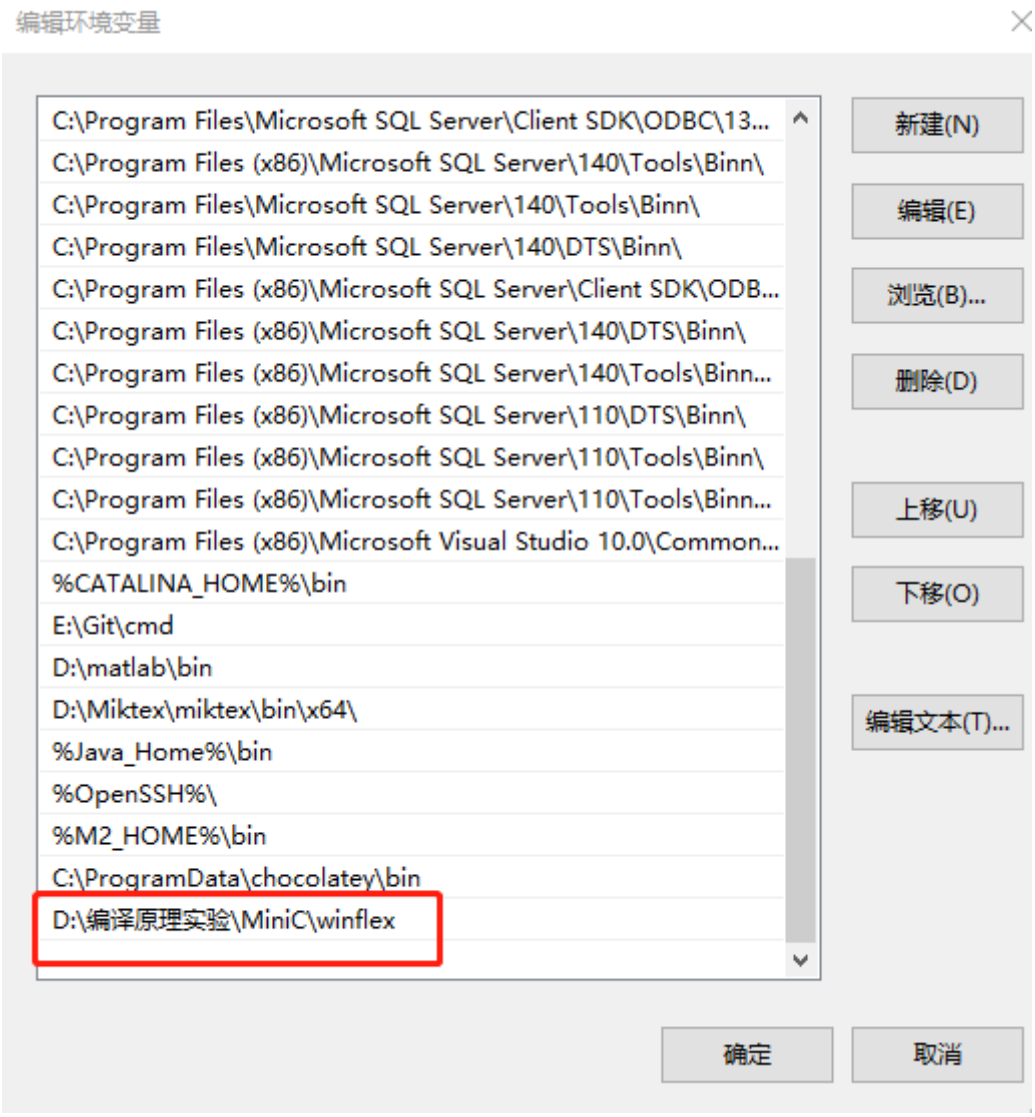
MiniC

run in mfc

- 双击打开MiniCAnalyser.vcxproj
- 将项目目录下的 winflex 文件夹的目录（项目目录/winflex）添加进系统环境
  - 打开电脑的系统环境path



  - 将winflex的环境加到最下面



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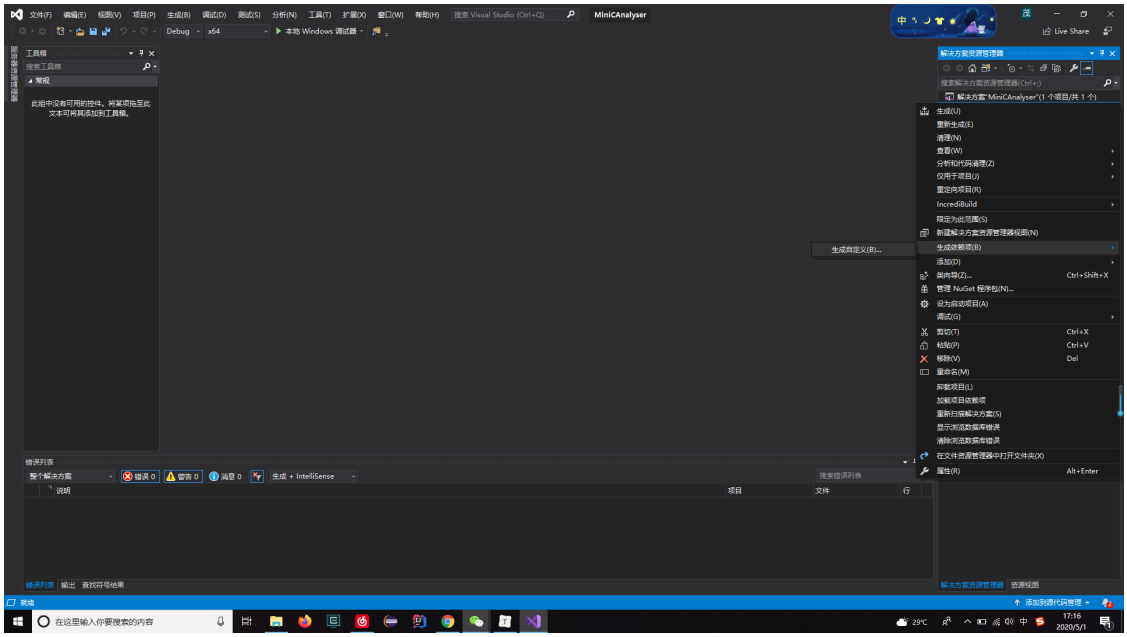
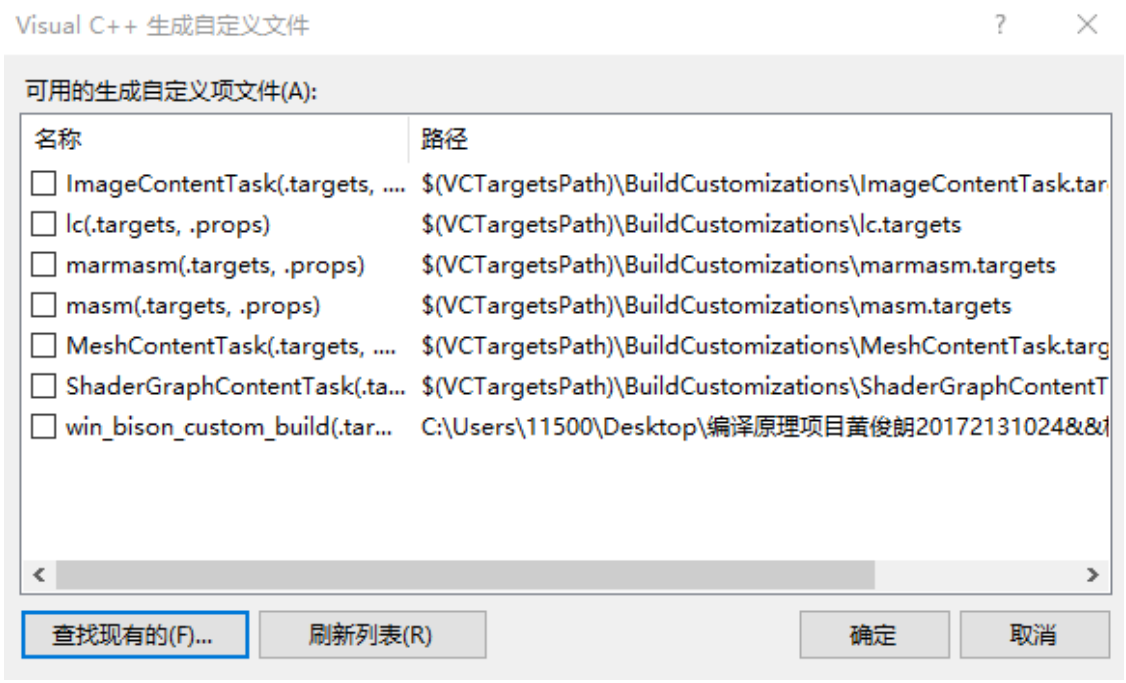
- 生成依赖项->生成自定义

- 
- 查找现有的，在目录 项目目录\winflex\custom_build_rules\Bison 下找到文件 win_flex_bison_custom_build.targets 选择打开，并如上图选中点击确定
- 

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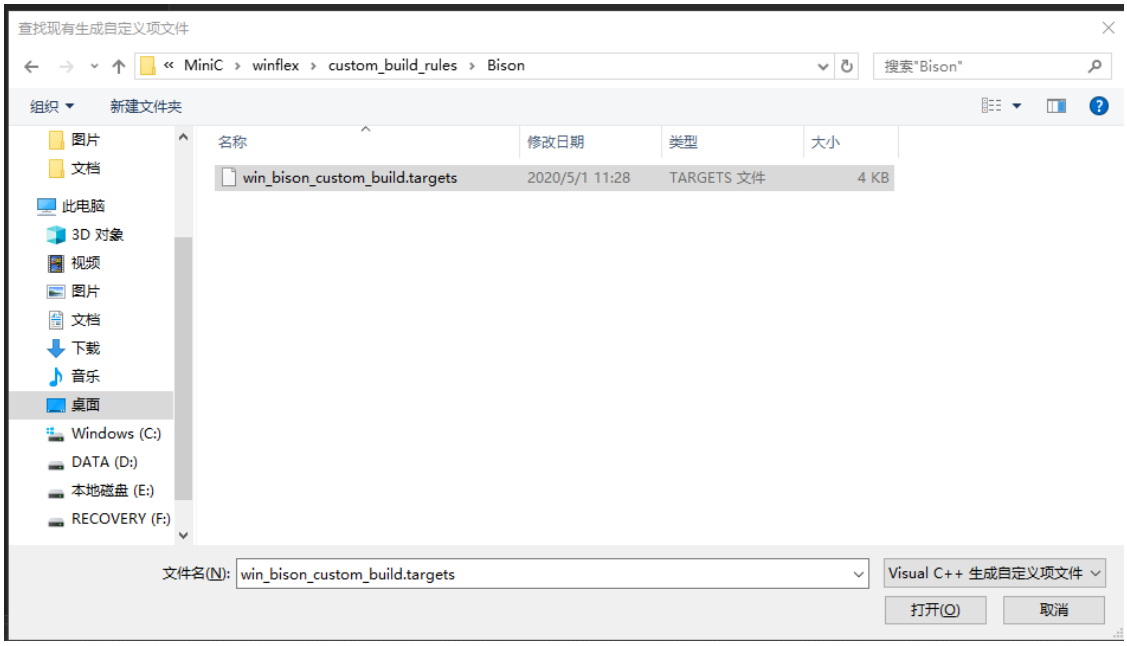

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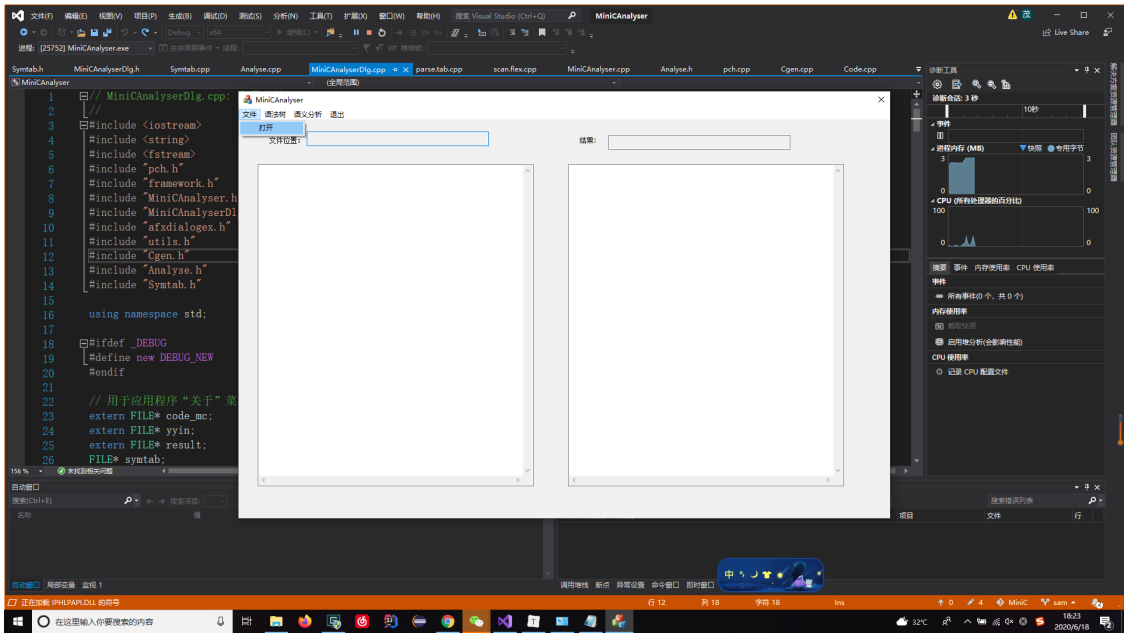
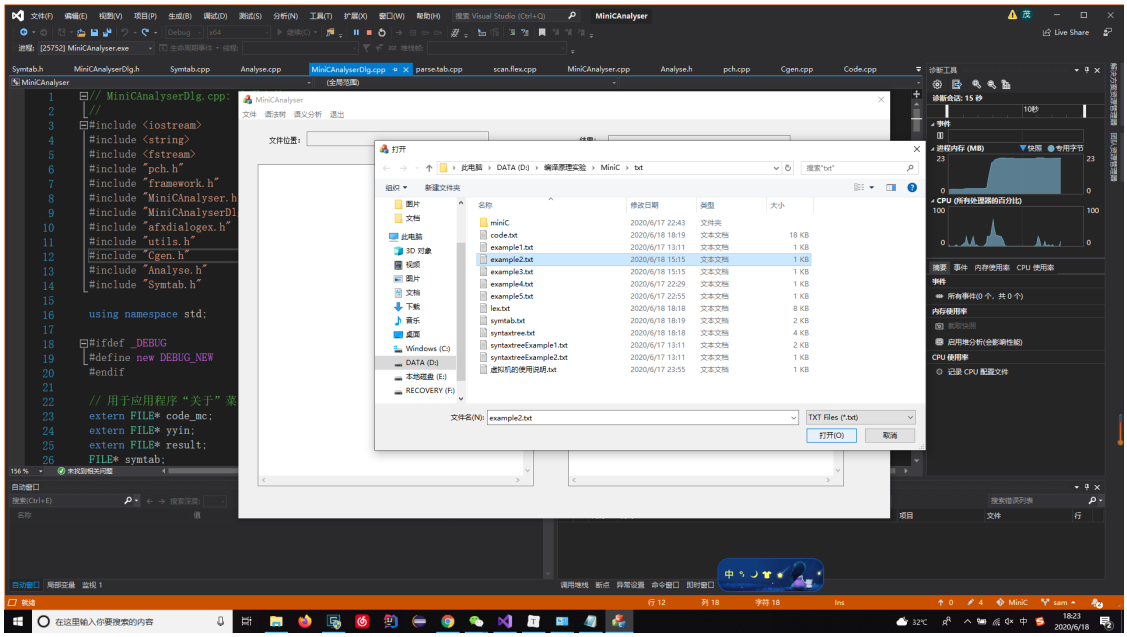
- 编译运行即可
- 选择打开的文件，example{X}.txt都是符合MiniC语法的，选择example2.txt，这是排序的程序，兼容了MiniC的全部语法
- 



- 点击生成语法树
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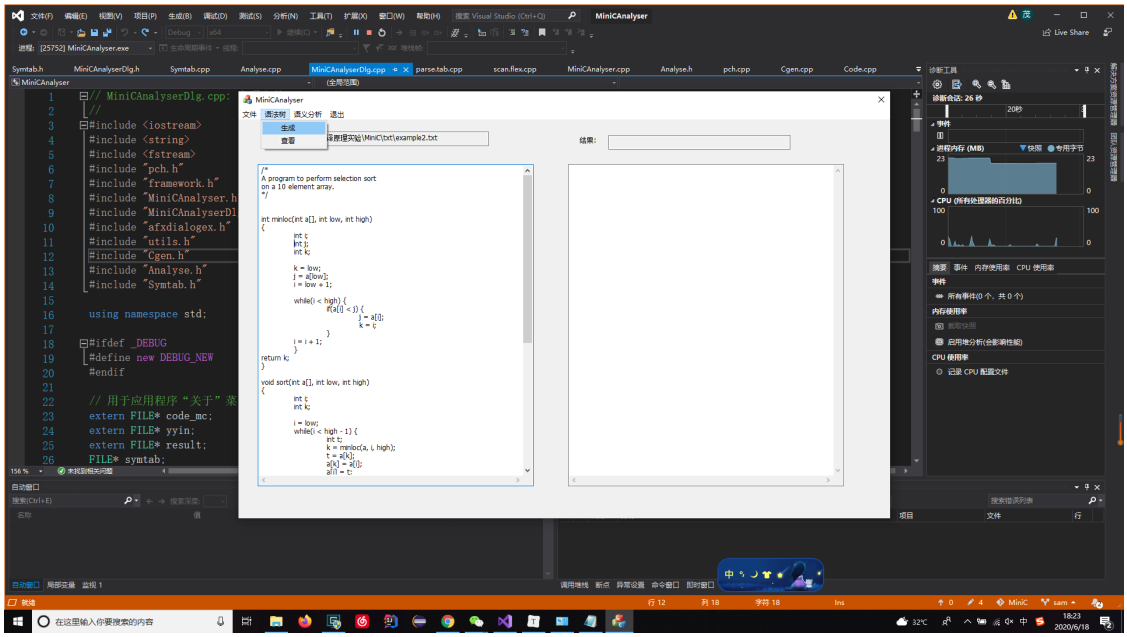

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- 点击查看语法树
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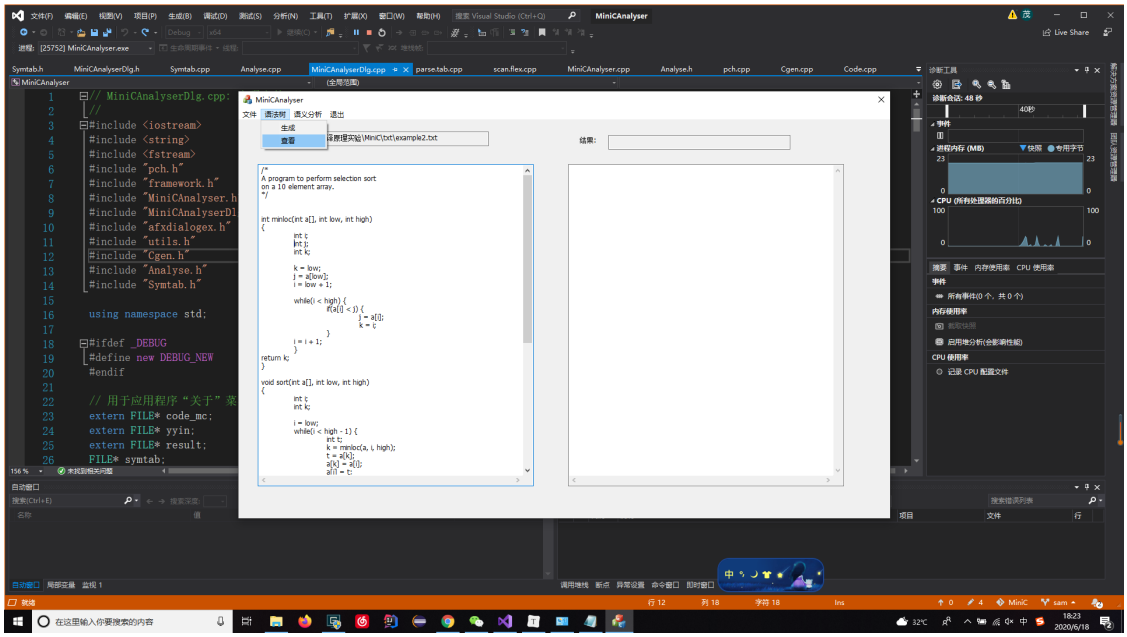
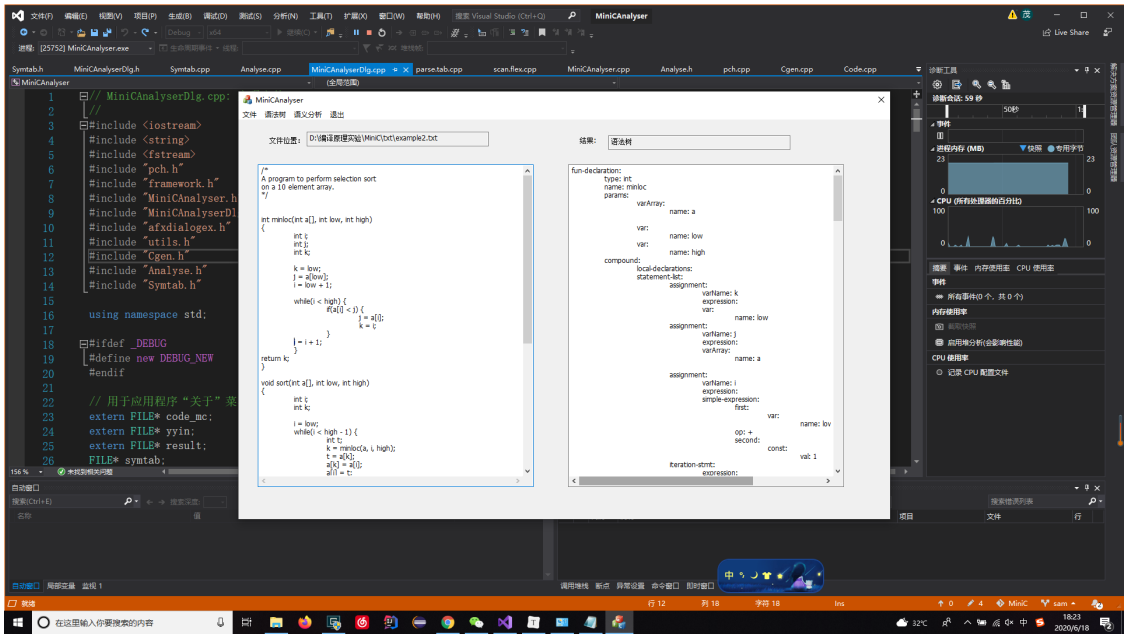
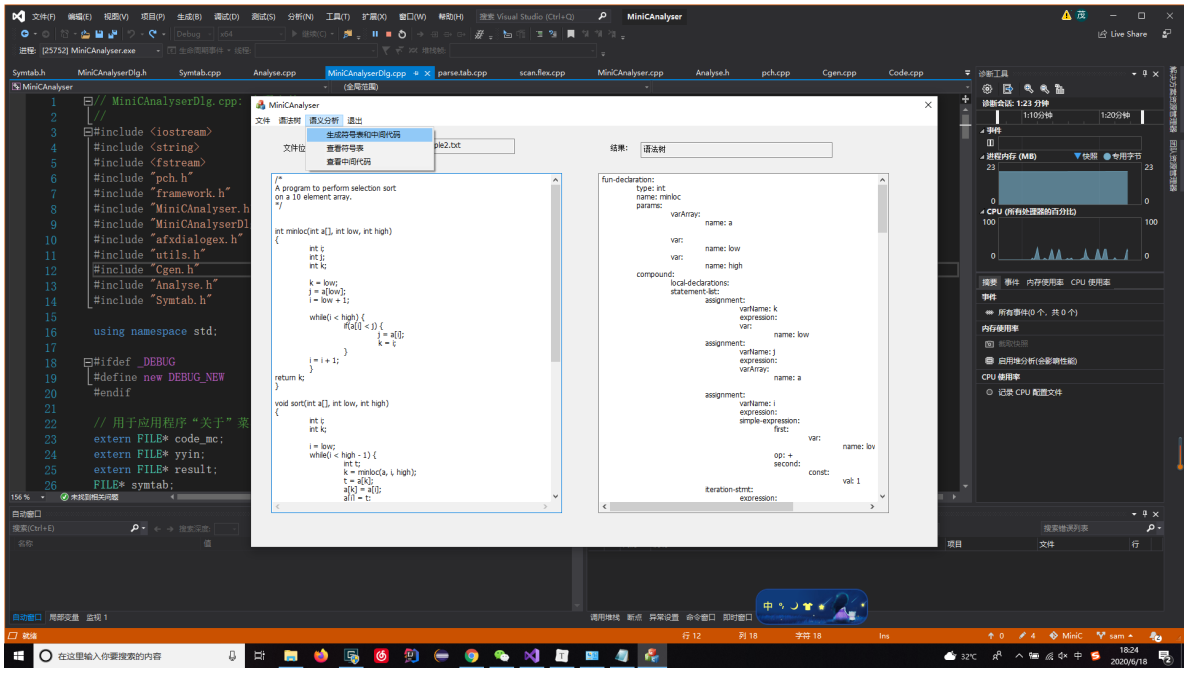
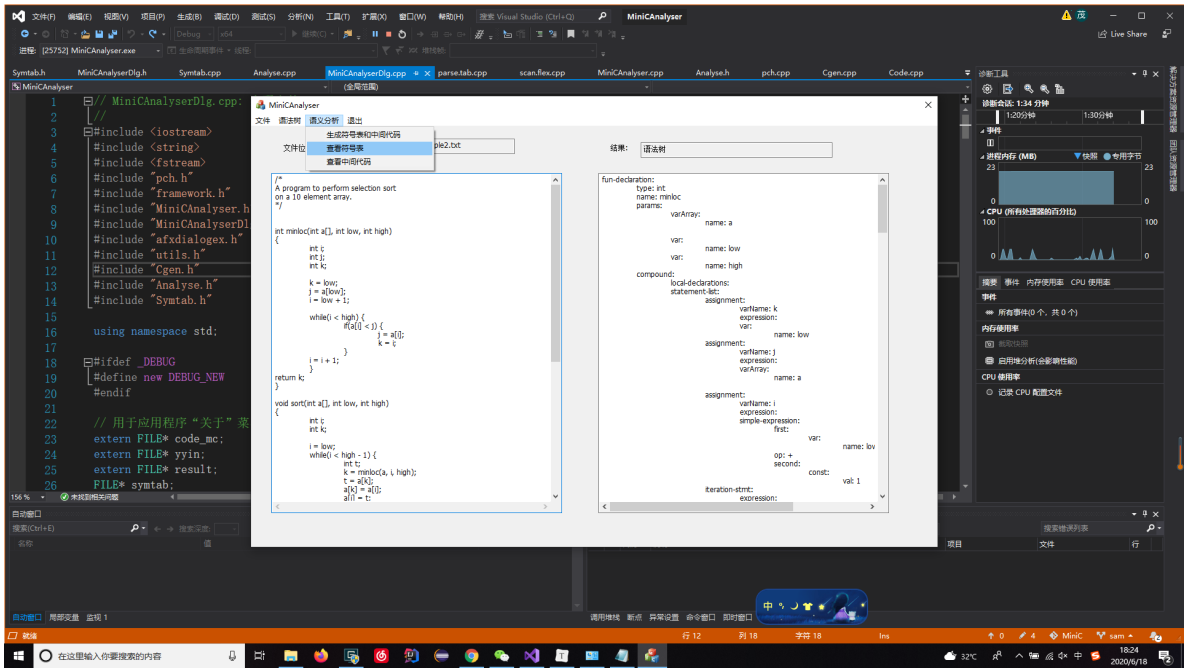


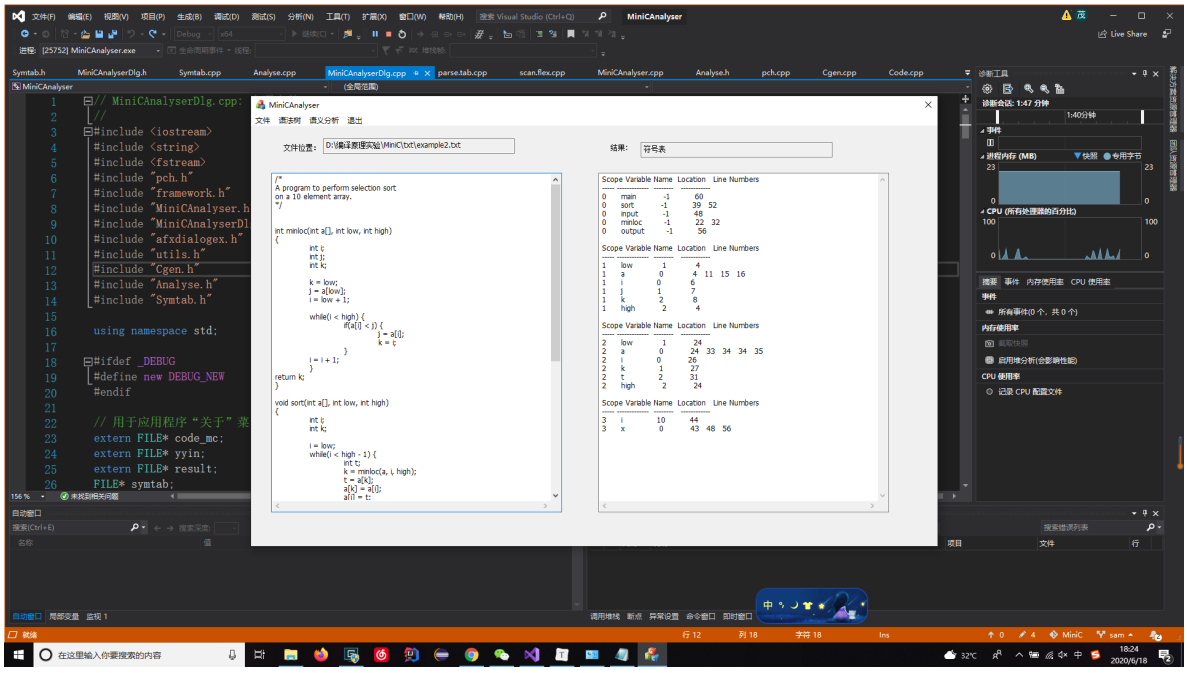
- 

点击生成符号表和中间代码

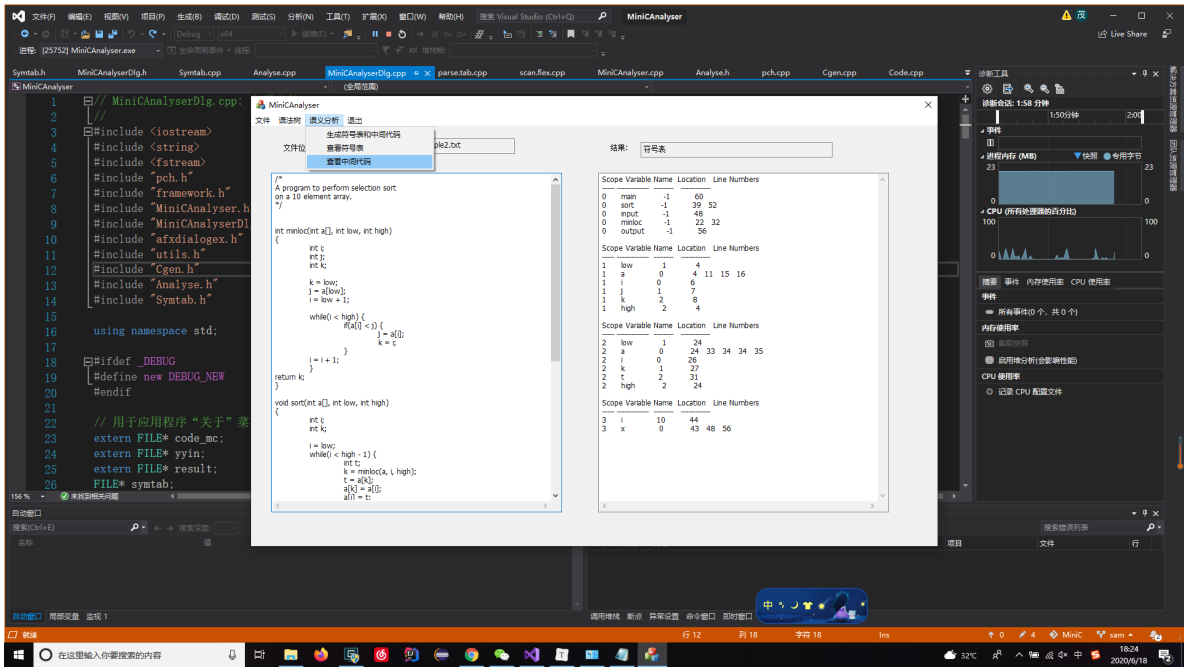


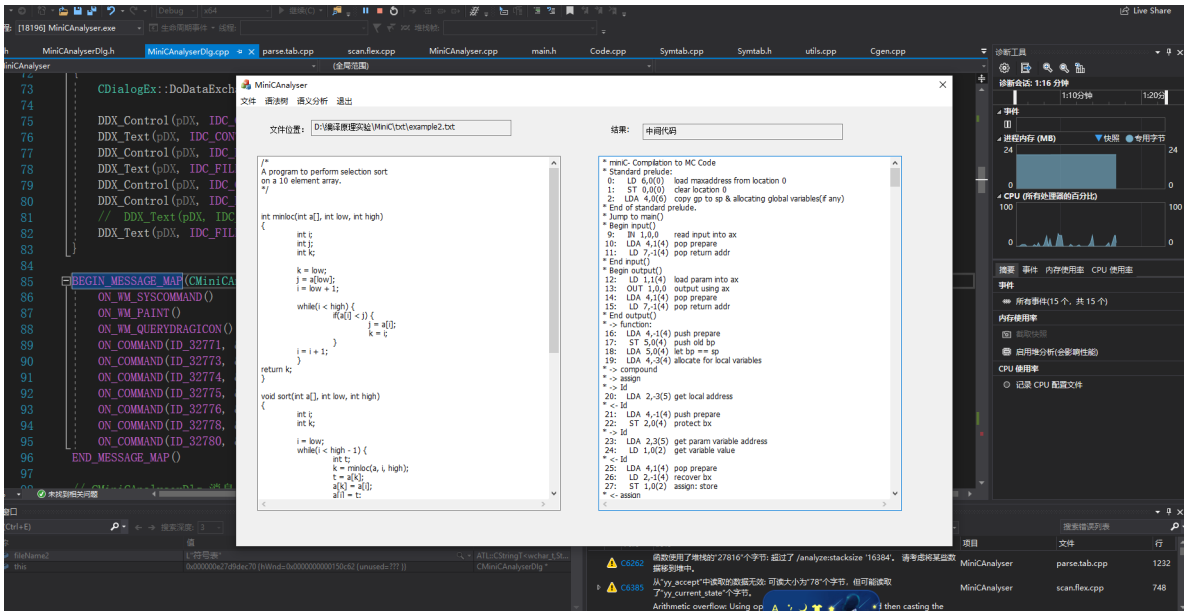
点击查看符号表





点击查看中间代码



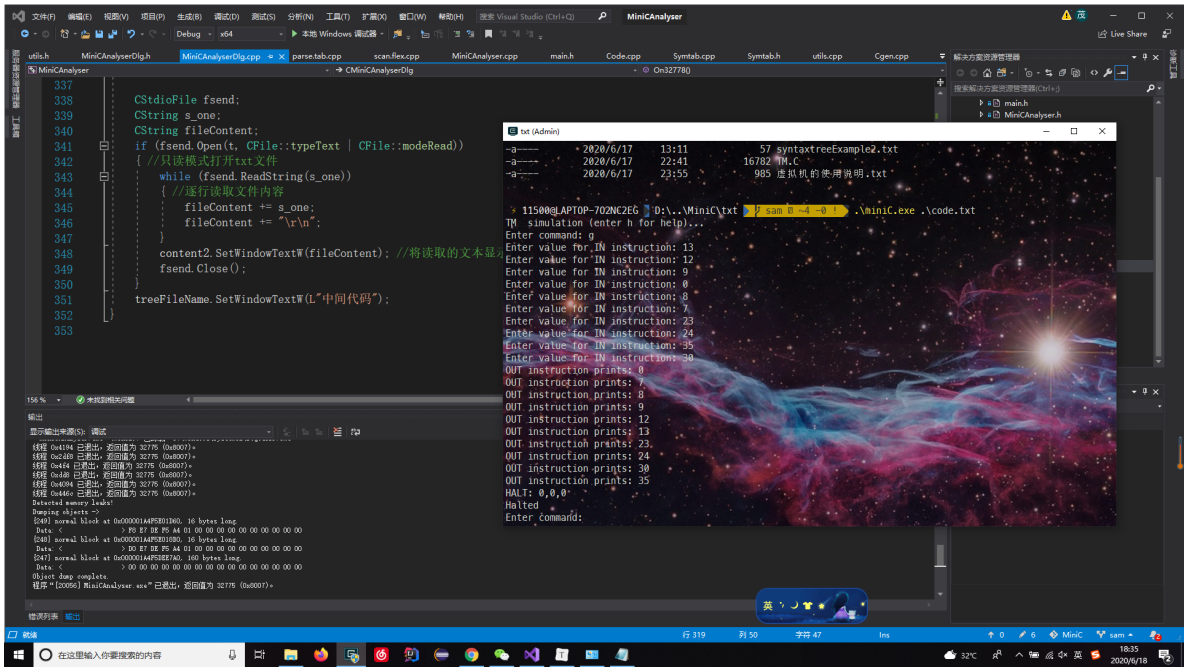


中间代码保存在txt文件夹的code.txt里面

在命令行进行项目目录的txt文件夹，执行命令 .\miniC.exe .\code.txt 使用虚拟机来运行中间代码

如果miniC.exe 执行不了，参考虚拟机的使用说明

运行结果如下，正确对数组进行排序并且输出



程序清单

```
utils.cpp // 生成节点，打印语法树等工具的实现
scan.flex.cpp // 由 lex 生成的 cpp 文件
parse.tab.cpp // 由 yacc 生成的 cpp 文件
parse.y // yacc定义文件
scan.l // lex 定义文件
Symtab.cpp // 查询插入符号表的cpp文件
Analyse.cpp // 构建符号表的cpp文件
Code.cpp // 记录指令的cpp文件
Cgen.cpp // 生成中间代码的cpp文件
```