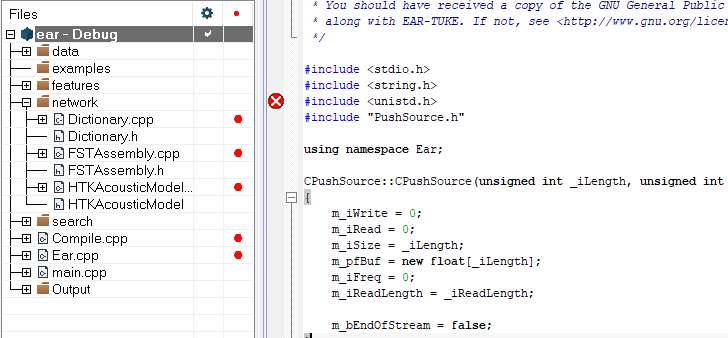
如果未标任何底色或字体颜色，是可以解决的；黄色表示需要进行调试，有较大希望解决；紫色表示需要进行调试，能解决的希望较小；红色表示不能移植；绿色表示修改后有所好转；

2018-10-18 14:00



//从上图可以看到只编译到features文件夹就已经无法进行，有74个错误，其中有两个错误是调用了系统才有的库，无法知道其格式，故要用MCU平台重写的话，难度很大，基本无法完成。

Building configuration: ear - Debug

Updating build tree...

AcousticScorer.cpp

Error[Pe020]: identifier "stderr" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Search\AcousticScorer.cpp 58

Error[Pe020]: identifier "fprintf" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Search\AcousticScorer.cpp 58

Error while running C/C++ Compiler

//源文件已经包含#include<stdio.h>，但还是不能认到fprintf

Coeffs.cpp

Config.cpp

Fatal Error[Pe1696]: cannot open source file "malloc.h" E:\my\_work\_2018\glassbreak\PROG\5\Data\Config.h 25

searched: "C:\Program Files (x86)\IAR Systems\Embedded Workbench 8.1\arm\inc\"

searched: "C:\Program Files (x86)\IAR Systems\Embedded Workbench 8.1\arm\inc\c\"

searched: "C:\Program Files (x86)\IAR Systems\Embedded Workbench 8.1\arm\inc\cpp\"

current directory: "C:\WINDOWS\System32"

Error while running C/C++ Compiler

//需要找一个malloc.H的头文件过来

Compile.cpp

Error[Pe020]: identifier "FILE" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\FileIO.h 60

Error[Pe020]: identifier "PATH\_MAX" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Compile.cpp 39

Error[Pe020]: identifier "stderr" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Compile.cpp 48

Error[Pe020]: identifier "fprintf" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Compile.cpp 48

Error[Pe020]: identifier "stderr" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Compile.cpp 51

Error[Pe020]: identifier "fprintf" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Compile.cpp 51

Error[Pe020]: identifier "stderr" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Compile.cpp 62

Error[Pe020]: identifier "fprintf" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Compile.cpp 62

Error[Pe020]: identifier "stderr" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Compile.cpp 65

Error[Pe020]: identifier "fprintf" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Compile.cpp 65

Error while running C/C++ Compiler

DataReader.cpp

Error[Pe020]: identifier "FILE" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\DataReader.cpp 74

Error[Pe020]: identifier "pf" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\DataReader.cpp 74

Error[Pe020]: identifier "fopen" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\DataReader.cpp 81

Error[Pe020]: identifier "fscanf" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\DataReader.cpp 85

Error[Pe020]: identifier "fseek" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\DataReader.cpp 90

Error[Pe020]: identifier "fclose" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\DataReader.cpp 94

Error[Pe020]: identifier "fread" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\DataReader.cpp 103

Error while running C/C++ Compiler

//此处错误为没有文件系统，加上去应该OK

Dictionary.cpp

Error[Pe020]: identifier "FILE" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\FileIO.h 60

Error[Pe1087]: no instance of function "Ear::CDictionary::cmp\_str::operator()" matches the argument list and object (the object has type qualifiers that prevent a match) C:\Program Files (x86)\IAR Systems\Embedded Workbench 8.1\arm\inc\cpp\xtree 2011

argument types are: (char \*const, char \*const)

object type is: Ear::CDictionary::cmp\_str const

detected during:

instantiation of "inline bool std::\_Tree<\_Traits>::\_Compare(\_Traits::key\_type const &, \_Traits::key\_type const &) const [with \_Traits=std::\_Tmap\_traits<char \*,

unsigned int, Ear::CDictionary::cmp\_str, std::allocator<std::pair<char \*const, unsigned int>>, false>]" at line 2028

instantiation of "inline std::\_Tree<\_Traits>::\_Nodeptr std::\_Tree<\_Traits>::\_Lbound(\_Other const &) const [with \_Traits=std::\_Tmap\_traits<char \*, unsigned int,

Ear::CDictionary::cmp\_str, std::allocator<std::pair<char \*const, unsigned int>>, false>, \_Other=char \*]" at line 1496

instantiation of "inline std::\_Tree<\_Traits>::iterator std::\_Tree<\_Traits>::lower\_bound(\_Traits::key\_type const &) [with \_Traits=std::\_Tmap\_traits<char \*, unsigned

int, Ear::CDictionary::cmp\_str, std::allocator<std::pair<char \*const, unsigned int>>, false>]" at line 1435

instantiation of "inline std::\_Tree<\_Traits>::iterator std::\_Tree<\_Traits>::find(\_Traits::key\_type const &) [with \_Traits=std::\_Tmap\_traits<char \*, unsigned int,

Ear::CDictionary::cmp\_str, std::allocator<std::pair<char \*const, unsigned int>>, false>]" at line 71 of "E:\my\_work\_2018\glassbreak\PROG\5\Network\Dictionary.cpp"

Error while running C/C++ Compiler

//看上去是参数对比不上的问题，有待研究

Ear.cpp

Fatal Error[Pe1696]: cannot open source file "malloc.h" E:\my\_work\_2018\glassbreak\PROG\5\Data\Config.h 25

searched: "C:\Program Files (x86)\IAR Systems\Embedded Workbench 8.1\arm\inc\"

searched: "C:\Program Files (x86)\IAR Systems\Embedded Workbench 8.1\arm\inc\c\"

searched: "C:\Program Files (x86)\IAR Systems\Embedded Workbench 8.1\arm\inc\cpp\"

current directory: "C:\WINDOWS\System32"

Error while running C/C++ Compiler

FileIO.cpp

//同上

Error[Pe020]: identifier "FILE" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\FileIO.h 60

Error[Pe020]: identifier "fopen" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\FileIO.cpp 39

Error[Pe020]: identifier "fopen" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\FileIO.cpp 40

Error[Pe020]: identifier "fopen" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\FileIO.cpp 41

Error[Pe020]: identifier "fopen" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\FileIO.cpp 42

Error[Pe020]: identifier "fclose" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\FileIO.cpp 57

Error[Pe020]: identifier "fgets" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\FileIO.cpp 102

Error[Pe020]: identifier "fclose" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\FileIO.cpp 120

Error while running C/C++ Compiler

//同上

Feature.cpp

Frame.cpp

Filter.cpp

FSTAssembly.cpp

Error[Pe020]: identifier "FILE" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\FileIO.h 60

Error[Pe020]: identifier "FILE" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Network\FSTAssembly.cpp 156

Error[Pe020]: identifier "pf" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Network\FSTAssembly.cpp 156

Error[Pe020]: identifier "fopen" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Network\FSTAssembly.cpp 160

Error[Pe020]: identifier "fprintf" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Network\FSTAssembly.cpp 166

Error[Pe020]: identifier "fprintf" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Network\FSTAssembly.cpp 167

Error[Pe020]: identifier "fclose" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Network\FSTAssembly.cpp 170

Error[Pe020]: identifier "FILE" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Network\FSTAssembly.cpp 177

Error[Pe020]: identifier "pf" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Network\FSTAssembly.cpp 177

Error[Pe020]: identifier "fopen" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Network\FSTAssembly.cpp 184

Error[Pe020]: identifier "fprintf" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Network\FSTAssembly.cpp 187

Error[Pe020]: identifier "fclose" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Network\FSTAssembly.cpp 212

Error[Pe020]: identifier "FILE" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Network\FSTAssembly.cpp 220

Error[Pe020]: identifier "pf" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Network\FSTAssembly.cpp 220

Error[Pe020]: identifier "fopen" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Network\FSTAssembly.cpp 225

Error[Pe020]: identifier "fprintf" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Network\FSTAssembly.cpp 228

Error[Pe020]: identifier "fclose" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Network\FSTAssembly.cpp 241

Error[Pe020]: identifier "FILE" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Network\FSTAssembly.cpp 248

Error[Pe020]: identifier "pf" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Network\FSTAssembly.cpp 248

Error[Pe020]: identifier "fopen" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Network\FSTAssembly.cpp 254

Error[Pe020]: identifier "fwrite" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Network\FSTAssembly.cpp 261

Error[Pe020]: identifier "fclose" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Network\FSTAssembly.cpp 300

Error while running C/C++ Compiler

//同上

HTKAcousticModel.cpp

Error[Pe020]: identifier "FILE" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\FileIO.h 60

Error[Pe020]: identifier "stderr" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Network\HTKAcousticModel.cpp 109

Error[Pe020]: identifier "fprintf" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Network\HTKAcousticModel.cpp 109

Error[Pe020]: identifier "stderr" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Network\HTKAcousticModel.cpp 110

Error[Pe020]: identifier "fprintf" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Network\HTKAcousticModel.cpp 110

Warning[Pe940]: missing return statement at end of non-void function "Ear::CHTKAcousticModel::loadModelFrom" E:\my\_work\_2018\glassbreak\PROG\5\Network\HTKAcousticModel.cpp 112

Warning[Pe177]: variable "name" was declared but never referenced E:\my\_work\_2018\glassbreak\PROG\5\Network\HTKAcousticModel.cpp 137

//以上同上

Error[Pe1087]: no instance of function "Ear::CHTKAcousticModel::cmp\_str::operator()" matches the argument list and object (the object has type qualifiers that prevent a C:\Program Files (x86)\IAR Systems\Embedded Workbench 8.1\arm\inc\cpp\xtree 2011

match)

argument types are: (char \*const, char \*const)

object type is: Ear::CHTKAcousticModel::cmp\_str const

detected during:

instantiation of "inline bool std::\_Tree<\_Traits>::\_Compare(\_Traits::key\_type const &, \_Traits::key\_type const &) const [with \_Traits=std::\_Tmap\_traits<char \*,

Ear::HTK\_Trans \*, Ear::CHTKAcousticModel::cmp\_str, std::allocator<std::pair<char \*const, Ear::HTK\_Trans \*>>, false>]" at line 2028

instantiation of "inline std::\_Tree<\_Traits>::\_Nodeptr std::\_Tree<\_Traits>::\_Lbound(\_Other const &) const [with \_Traits=std::\_Tmap\_traits<char \*, Ear::HTK\_Trans

\*, Ear::CHTKAcousticModel::cmp\_str, std::allocator<std::pair<char \*const, Ear::HTK\_Trans \*>>, false>, \_Other=char \*]" at line 1496

instantiation of "inline std::\_Tree<\_Traits>::iterator std::\_Tree<\_Traits>::lower\_bound(\_Traits::key\_type const &) [with \_Traits=std::\_Tmap\_traits<char \*,

Ear::HTK\_Trans \*, Ear::CHTKAcousticModel::cmp\_str, std::allocator<std::pair<char \*const, Ear::HTK\_Trans \*>>, false>]" at line 1435

instantiation of "inline std::\_Tree<\_Traits>::iterator std::\_Tree<\_Traits>::find(\_Traits::key\_type const &) [with \_Traits=std::\_Tmap\_traits<char \*, Ear::HTK\_Trans \*,

Ear::CHTKAcousticModel::cmp\_str, std::allocator<std::pair<char \*const, Ear::HTK\_Trans \*>>, false>]" at line 189 of "E:\my\_work\_2018\glassbreak\PROG\5\Network\

//以上同上

HTKAcousticModel.cpp"

Error[Pe1087]: no instance of function "Ear::CHTKAcousticModel::cmp\_str::operator()" matches the argument list and object (the object has type qualifiers that prevent a C:\Program Files (x86)\IAR Systems\Embedded Workbench 8.1\arm\inc\cpp\xtree 2011

match)

argument types are: (char \*const, char \*const)

object type is: Ear::CHTKAcousticModel::cmp\_str const

detected during:

instantiation of "inline bool std::\_Tree<\_Traits>::\_Compare(\_Traits::key\_type const &, \_Traits::key\_type const &) const [with \_Traits=std::\_Tmap\_traits<char \*,

Ear::HTK\_Data \*, Ear::CHTKAcousticModel::cmp\_str, std::allocator<std::pair<char \*const, Ear::HTK\_Data \*>>, false>]" at line 2028

instantiation of "inline std::\_Tree<\_Traits>::\_Nodeptr std::\_Tree<\_Traits>::\_Lbound(\_Other const &) const [with \_Traits=std::\_Tmap\_traits<char \*, Ear::HTK\_Data \*,

Ear::CHTKAcousticModel::cmp\_str, std::allocator<std::pair<char \*const, Ear::HTK\_Data \*>>, false>, \_Other=char \*]" at line 1496

instantiation of "inline std::\_Tree<\_Traits>::iterator std::\_Tree<\_Traits>::lower\_bound(\_Traits::key\_type const &) [with \_Traits=std::\_Tmap\_traits<char \*,

Ear::HTK\_Data \*, Ear::CHTKAcousticModel::cmp\_str, std::allocator<std::pair<char \*const, Ear::HTK\_Data \*>>, false>]" at line 1435

instantiation of "inline std::\_Tree<\_Traits>::iterator std::\_Tree<\_Traits>::find(\_Traits::key\_type const &) [with \_Traits=std::\_Tmap\_traits<char \*, Ear::HTK\_Data \*,

Ear::CHTKAcousticModel::cmp\_str, std::allocator<std::pair<char \*const, Ear::HTK\_Data \*>>, false>]" at line 200 of "E:\my\_work\_2018\glassbreak\PROG\5\Network\

//以上同上

HTKAcousticModel.cpp"

Error[Pe1087]: no instance of function "Ear::CHTKAcousticModel::cmp\_str::operator()" matches the argument list and object (the object has type qualifiers that prevent a C:\Program Files (x86)\IAR Systems\Embedded Workbench 8.1\arm\inc\cpp\xtree 2011

match)

argument types are: (char \*const, char \*const)

object type is: Ear::CHTKAcousticModel::cmp\_str const

detected during:

instantiation of "inline bool std::\_Tree<\_Traits>::\_Compare(\_Traits::key\_type const &, \_Traits::key\_type const &) const [with \_Traits=std::\_Tmap\_traits<char \*,

Ear::HTK\_State \*, Ear::CHTKAcousticModel::cmp\_str, std::allocator<std::pair<char \*const, Ear::HTK\_State \*>>, false>]" at line 2028

instantiation of "inline std::\_Tree<\_Traits>::\_Nodeptr std::\_Tree<\_Traits>::\_Lbound(\_Other const &) const [with \_Traits=std::\_Tmap\_traits<char \*, Ear::HTK\_State \*,

Ear::CHTKAcousticModel::cmp\_str, std::allocator<std::pair<char \*const, Ear::HTK\_State \*>>, false>, \_Other=char \*]" at line 1496

instantiation of "inline std::\_Tree<\_Traits>::iterator std::\_Tree<\_Traits>::lower\_bound(\_Traits::key\_type const &) [with \_Traits=std::\_Tmap\_traits<char \*,

Ear::HTK\_State \*, Ear::CHTKAcousticModel::cmp\_str, std::allocator<std::pair<char \*const, Ear::HTK\_State \*>>, false>]" at line 1435

instantiation of "inline std::\_Tree<\_Traits>::iterator std::\_Tree<\_Traits>::find(\_Traits::key\_type const &) [with \_Traits=std::\_Tmap\_traits<char \*, Ear::HTK\_State \*,

Ear::CHTKAcousticModel::cmp\_str, std::allocator<std::pair<char \*const, Ear::HTK\_State \*>>, false>]" at line 211 of "E:\my\_work\_2018\glassbreak\PROG\5\Network\

//以上同上

HTKAcousticModel.cpp"

Error while running C/C++ Compiler

PushSource.cpp

Fatal Error[Pe1696]: cannot open source file "unistd.h" E:\my\_work\_2018\glassbreak\PROG\5\Data\PushSource.cpp 22

searched: "C:\Program Files (x86)\IAR Systems\Embedded Workbench 8.1\arm\inc\"

searched: "C:\Program Files (x86)\IAR Systems\Embedded Workbench 8.1\arm\inc\c\"

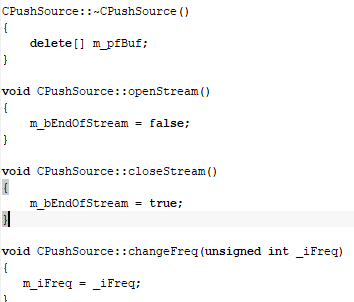
searched: "C:\Program Files (x86)\IAR Systems\Embedded Workbench 8.1\arm\inc\cpp\"

current directory: "C:\WINDOWS\System32"

Error while running C/C++ Compiler

[Donald] Not all the functions in unistd.h is used, I removed <unistd.h> and test, I see only sleep() function is used in the unistd.h library, and porting sleep() should be easy.

// :#include <unistd.h> 是POSIX标准定义的unix类系统定义符号常量的头文件，包含了许多UNIX系统服务的函数原型，例如read函数、[write函数](https://www.baidu.com/s?wd=write%E5%87%BD%E6%95%B0&tn=SE_PcZhidaonwhc_ngpagmjz&rsv_dl=gh_pc_zhidao" \t "_blank)和getpid函数  
　　#ifndef \_UNISTD\_H  
　　#define \_UNISTD\_H  
　　#include <features.h>  
　　[unistd.h](https://www.baidu.com/s?wd=unistd.h&tn=SE_PcZhidaonwhc_ngpagmjz&rsv_dl=gh_pc_zhidao)含有的常量与函数：  
　　s[size\_t](https://www.baidu.com/s?wd=size_t&tn=SE_PcZhidaonwhc_ngpagmjz&rsv_dl=gh_pc_zhidao) read(int, void \*, [size\_t](https://www.baidu.com/s?wd=size_t&tn=SE_PcZhidaonwhc_ngpagmjz&rsv_dl=gh_pc_zhidao" \t "_blank));  
　　int unlink(const char \*);  
　　s[size\_t](https://www.baidu.com/s?wd=size_t&tn=SE_PcZhidaonwhc_ngpagmjz&rsv_dl=gh_pc_zhidao) write(int, const void \*, size\_t);  
　　int usleep(useconds\_t);  
　　unsigned sleep(unsigned);  
　　int access(const char \*, int);  
　　unsigned alarm(unsigned);  
　　int chdir(const char \*);  
　　int chown(const char \*, uid\_t, gid\_t);



[Donald] the code above “CPushSource” is generic C++ code, and it is portable.

这一段正好是读取数据的代码，用的是系统函数进行读取，所以这个读取操作是怎样进行的，没法模拟出来

MicSource.cpp

Fatal Error[Pe1696]: cannot open source file "portaudio.h" E:\my\_work\_2018\glassbreak\PROG\5\Data\MicSource.h 24

searched: "C:\Program Files (x86)\IAR Systems\Embedded Workbench 8.1\arm\inc\"

searched: "C:\Program Files (x86)\IAR Systems\Embedded Workbench 8.1\arm\inc\c\"

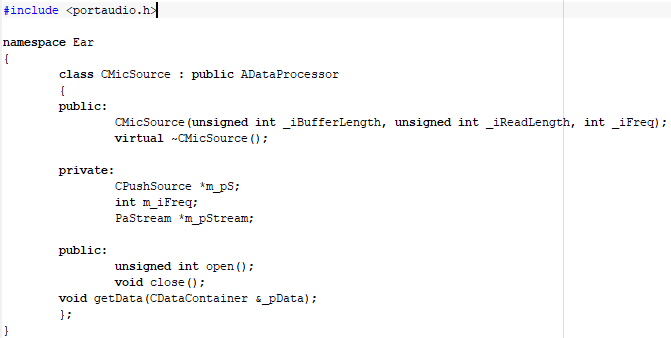
searched: "C:\Program Files (x86)\IAR Systems\Embedded Workbench 8.1\arm\inc\cpp\"

current directory: "C:\WINDOWS\System32"

Error while running C/C++ Compiler

[Donald] the portaudio library is only used in the file MicSource.cpp, so we would replace it by the actual PDM interface on MCU.

//这一段进行mic录音，调用的是portaudio库，完全无法进行模拟，不知道portaudio怎样进行读取，而且存储格式是怎样的



Search.cpp

Warning[Pe174]: expression has no effect E:\my\_work\_2018\glassbreak\PROG\5\Search\Search.cpp 82

Token.cpp

Utils.cpp

Transform.cpp

WavSource.cpp

Error[Pe020]: identifier "FILE" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\WavSource.cpp 46

Error[Pe020]: identifier "pf" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\WavSource.cpp 46

Error[Pe020]: identifier "fopen" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\WavSource.cpp 49

Error[Pe020]: identifier "getc" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\WavSource.cpp 53

Error[Pe020]: identifier "fseek" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\WavSource.cpp 60

Error[Pe020]: identifier "fread" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\WavSource.cpp 62

Error[Pe020]: identifier "fseek" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\WavSource.cpp 81

Error[Pe020]: identifier "ftell" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\WavSource.cpp 86

Error[Pe020]: identifier "fseek" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\WavSource.cpp 86

Error[Pe020]: identifier "fread" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\WavSource.cpp 92

Error[Pe020]: identifier "fclose" is undefined E:\my\_work\_2018\glassbreak\PROG\5\Data\WavSource.cpp 95

Warning[Pa093]: implicit conversion from floating point to integer E:\my\_work\_2018\glassbreak\PROG\5\Data\WavSource.cpp 98

Error while running C/C++ Compiler

//同上

Total number of errors: 74

Total number of warnings: 4