

Part one: GUI installation operation

Before starting the GUI installation, your computer should be configured with JDK8. We have provided a reference document for Windows system configuration jdk8 in the compressed package, and you can also search for configuration instructions that are suitable for your system through Google. **Anyway, please ensure that your computer has successfully installed and configured jdk8.**

Installation steps:

Step 1: Decompress the compressed package "GUI main", as shown in Figure 1. Please note that the extracted path cannot contain Chinese characters.

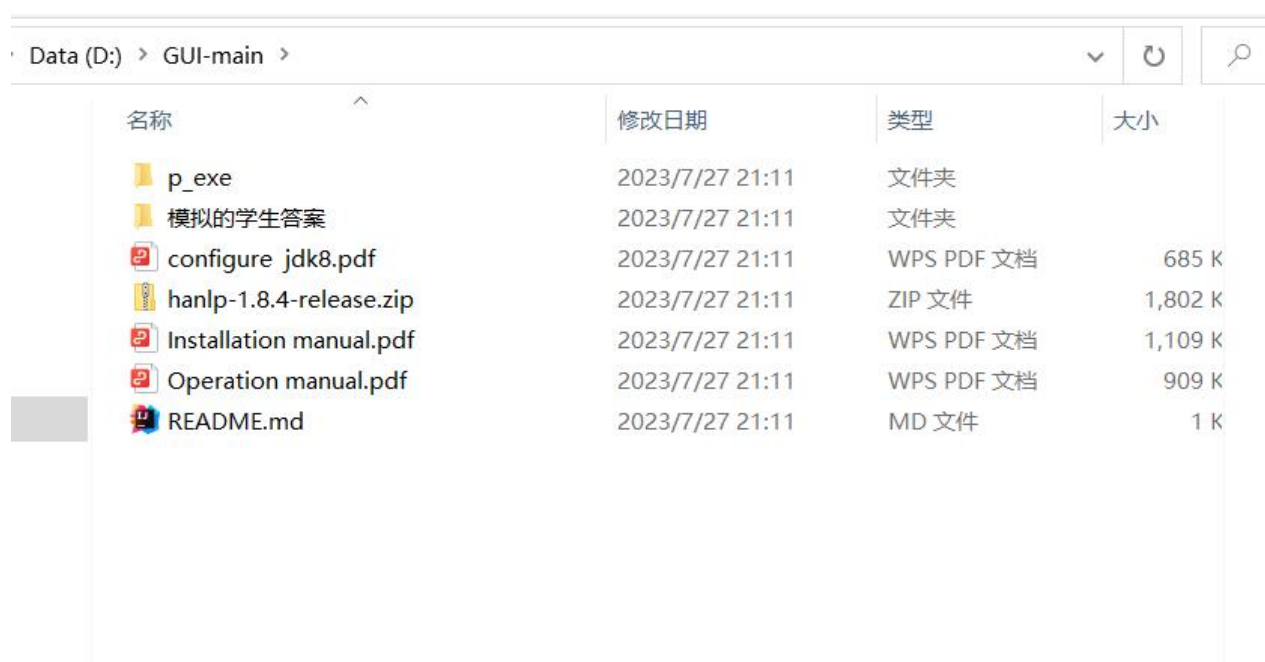


Figure 1: Decompress the compressed package 'GUI main'

Step2: Please download the data-for-1.8.4.zip file from <https://github.com/fightinf/data1>, as shown in the figure 2 (Due to the file being too large, please use **git lfs** to clone it, as shown in the figure 3), and place it in the GUI main folder, as shown in the figure 4.

> Data (D:) > data1 >

名称	修改日期	类型	大小
.git	2023/8/1 16:46	文件夹	
.gitattributes	2023/8/1 15:59	文本文档	1 KB
data-for-1.8.4.zip	2023/8/1 16:46	ZIP 文件	652,998 KB
README.md	2023/8/1 15:59	MD 文件	1 KB

Figure 2: download the data-for-1.8.4.zip file

```
MINGW64:/d
lenovo@LAPTOP-4MBLE318 MINGW64 /d
$ git lfs clone https://github.com/fightinfg/data1.git
WARNING: `git lfs clone` is deprecated and will not be updated
with new flags from `git clone`

`git clone` has been updated in upstream Git to have comparable
speeds to `git lfs clone`.
Cloning into 'data1'...
remote: Enumerating objects: 9, done.
remote: Counting objects: 100% (9/9), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 9 (delta 1), reused 5 (delta 0), pack-reused 0
Receiving objects: 100% (9/9), done.
Resolving deltas: 100% (1/1), done.
Downloading LFS objects: 100% (1/1), 669 MB | 234 KB/s
lenovo@LAPTOP-4MBLE318 MINGW64 /d
$
```

Figure 3: use git lfs to clone

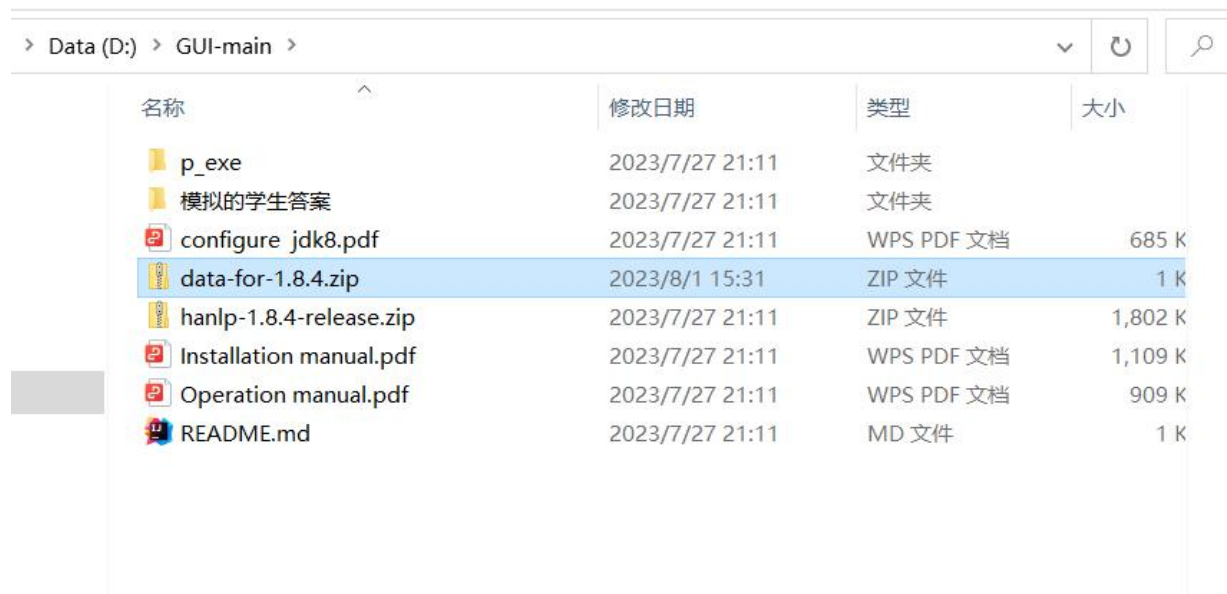


Figure 4: place data-for-1.8.4.zip in the GUI main folder

Step 3: Copy the **hanlp-1.8.4-release.zip** file from the GUI main folder to GUI-main\p_exe\p_exe\Debug\Python\Lib\site-packages\pyhanlp\static\, as shown in Figure 5.

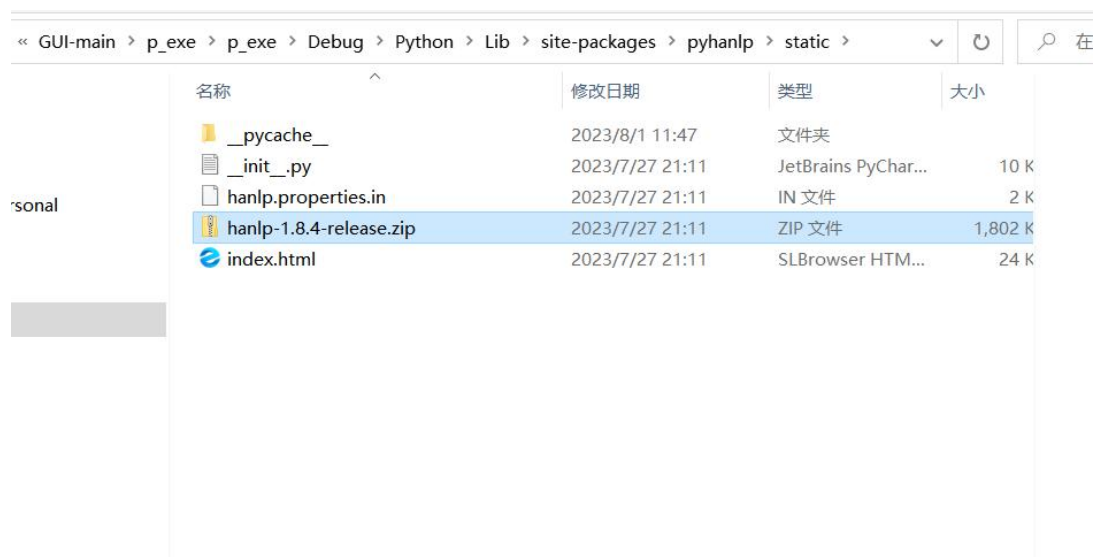


Figure 5: Copying hanlp-1.8.4-release.zip

Step 4: Copy the **data-for-1.8.4.zip** file from the GUI main folder to GUI-main\p_exe\p_exe\Debug\Python\Lib\site-packages\pyhanlp\static\, as shown in Figure 6.

« GUI-main > p_exe > p_exe > Debug > Python > Lib > site-packages > pyhanlp > static >					在 static 中搜
	名称	修改日期	类型	大小	
sonal	_pycache_	2023/8/1 11:47	文件夹		
	init.py	2023/7/27 21:11	JetBrains PyChar...	10 K	
	data-for-1.8.4.zip	2023/8/1 11:37	ZIP 文件	652,998 K	
	hanlp.properties.in	2023/7/27 21:11	IN 文件	2 K	
	hanlp-1.8.4-release.zip	2023/7/27 21:11	ZIP 文件	1,802 K	
	index.html	2023/7/27 21:11	SLBrowser HTM...	24 K	

Figure 6: Copying data-for-1.8.4.zip

Step 5, go back to the root directory GUI main, open the folder "p_exe\p_exe\Debug", as shown in Figure 7. Then double-click to enter the folder. Find the file named "Debug.exe", as shown in Figure 8.

Data (D:) > GUI-main > p_exe > p_exe > Debug					在
	名称	修改日期	类型	大小	
	configs	2023/7/27 21:11	文件夹		
	opt	2023/7/27 21:11	文件夹		
	Python	2023/7/27 21:11	文件夹		
	resources	2023/7/27 21:11	文件夹		
	Debug.exe	2023/7/27 21:11	应用程序	189 K	
	Debug-打印已安装的软件包列表.cmd	2023/7/27 21:11	Windows 命令脚本	1 K	
	Debug-进入Python环境.cmd	2023/7/27 21:11	Windows 命令脚本	1 K	
	Debug-进入半虚拟环境.cmd	2023/7/27 21:11	Windows 命令脚本	1 K	
	Debug-收集Debug信息..cmd	2023/7/27 21:11	Windows 命令脚本	3 K	
	使用兼容模式运行.cmd	2023/7/27 21:11	Windows 命令脚本	1 K	

Figure 7: Folder 'Debug'

Data (D:)
GUI-main
p_exe
p_exe
Debug

名称	修改日期	类型	大小
configs	2023/7/27 21:11	文件夹	
opt	2023/7/27 21:11	文件夹	
Python	2023/7/27 21:11	文件夹	
resources	2023/7/27 21:11	文件夹	
Debug.exe	2023/7/27 21:11	应用程序	189 K
Debug-打印已安装的软件包列表.cmd	2023/7/27 21:11	Windows 命令脚本	1 K
Debug-进入Python环境.cmd	2023/7/27 21:11	Windows 命令脚本	1 K
Debug-进入半虚拟环境.cmd	2023/7/27 21:11	Windows 命令脚本	1 K
Debug-收集Debug信息.cmd	2023/7/27 21:11	Windows 命令脚本	3 K
使用兼容模式运行.cmd	2023/7/27 21:11	Windows 命令脚本	1 K

Figure 8: Software "Debug. exe"

Step 6: Run the 'Debug.exe' file **as an administrator** and a pop-up window in Figure 9 will appear (If a computer has never run a project program before, this time may take a long time.). The first installation requires downloading some software packages, so please be patient and wait for a period of time before the "GUI" software window will automatically pop up, as shown in Figure 10. At this point, the installation is complete. Alternatively, a prompt window in Figure 11 appears and click OK. Continue to wait for 3 to 4 minutes. The 'GUI' software window will automatically appear and the installation is complete.

```

选择 D:\GUI-main\p_exe\p_exe\Debug\Debug.exe
→ [2023-08-01 11:52:59,380] [DEBUG] | 已设置PIP跨版本编译模式, 目标解释器路径为: D:\GUI-main\p_exe\p_exe\Debug\Python\py
thon.exe
→ [2023-08-01 11:52:59,384] [DEBUG] | SHELL: chcp 65001
→ [2023-08-01 11:52:59,505] [DEBUG] | Windows PowerShell
→ [2023-08-01 11:52:59,506] [DEBUG] | Copyright (C) Microsoft Corporation. All rights reserved.
→ [2023-08-01 11:52:59,507] [DEBUG] | Try the new cross-platform PowerShell https://aka.ms/pscore6
→ [2023-08-01 11:52:59,855] [DEBUG] | PS D:\GUI-main\p_exe\p_exe\Debug> chcp 65001 ; echo "----QPT OUTPUT STATUS CODE----"
$?
→ [2023-08-01 11:52:59,868] [DEBUG] | Active code page: 65001
→ [2023-08-01 11:52:59,872] [DEBUG] | 终端命令执行成功!
→ [2023-08-01 11:52:59,872] [DEBUG] | 正在连接PTerminal
→ [2023-08-01 11:52:59,874] [INFO] | 初次使用将会适应本地环境, 可能需要几分钟时间, 请耐心等待...
初始化进度-01 111/5 | 20.00% Python37部署中... → [2023-08-01 11:52:59,877] [DEBUG] | 正在加载Python
37-UnPackPythonEnvOptOP
初始化进度-01 112/5 | 40.00% QPTDependencyPackage部署中... → [2023-08-01 11:52:59,878] [DEBUG] | 正
在加载QPTDependencyPackage-LocalInstallWhlOptOP
→ [2023-08-01 11:52:59,878] [DEBUG] | 找到该OP状态文件LocalInstallWhlOpt.inactive, 故跳过该OP
初始化进度-01 113/5 | 60.00% AutoRequirementsPackage部署中... → [2023-08-01 11:52:59,880] [DEBUG] |
正在加载AutoRequirementsPackage-LocalInstallWhlOptOP
→ [2023-08-01 11:52:59,880] [DEBUG] | 找到该OP状态文件LocalInstallWhlOpt.inactive, 故跳过该OP
初始化进度-01 114/5 | 80.00% 初始化完毕 → [2023-08-01 11:52:59,882] [INFO] | -----WARNING SUMM
ARY
→ [2023-08-01 11:52:59,882] [INFO] | -----ERROR SUMMARY
→ [2023-08-01 11:52:59,883] [INFO] | -----生成状态WARNING:0 ERROR:0
→ [2023-08-01 11:52:59,885] [DEBUG] | SHELL: cd "D:\GUI-main\p_exe\p_exe\Debug\resources"; ../Python/python.exe "D:\GUI
-main\p_exe\p_exe\Debug\resources\GUI_update.py"
PS D:\GUI-main\p_exe\p_exe\Debug> cd "D:\GUI-main\p_exe\p_exe\Debug\resources"; ../Python/python.exe "D:\GUI-main\p_exe
\p_exe\Debug\resources\GUI_update.py" ; echo "----QPT OUTPUT STATUS CODE----" $?
使用本地 D:\GUI-main\p_exe\p_exe\Debug\Python\Lib\site-packages\pyhanlp\static\hanlp-1.8.4-release.zip, 忽略 http://down
load.hanlp.com/hanlp-1.8.4-release.zip

```


Figure 9: Pop-up window

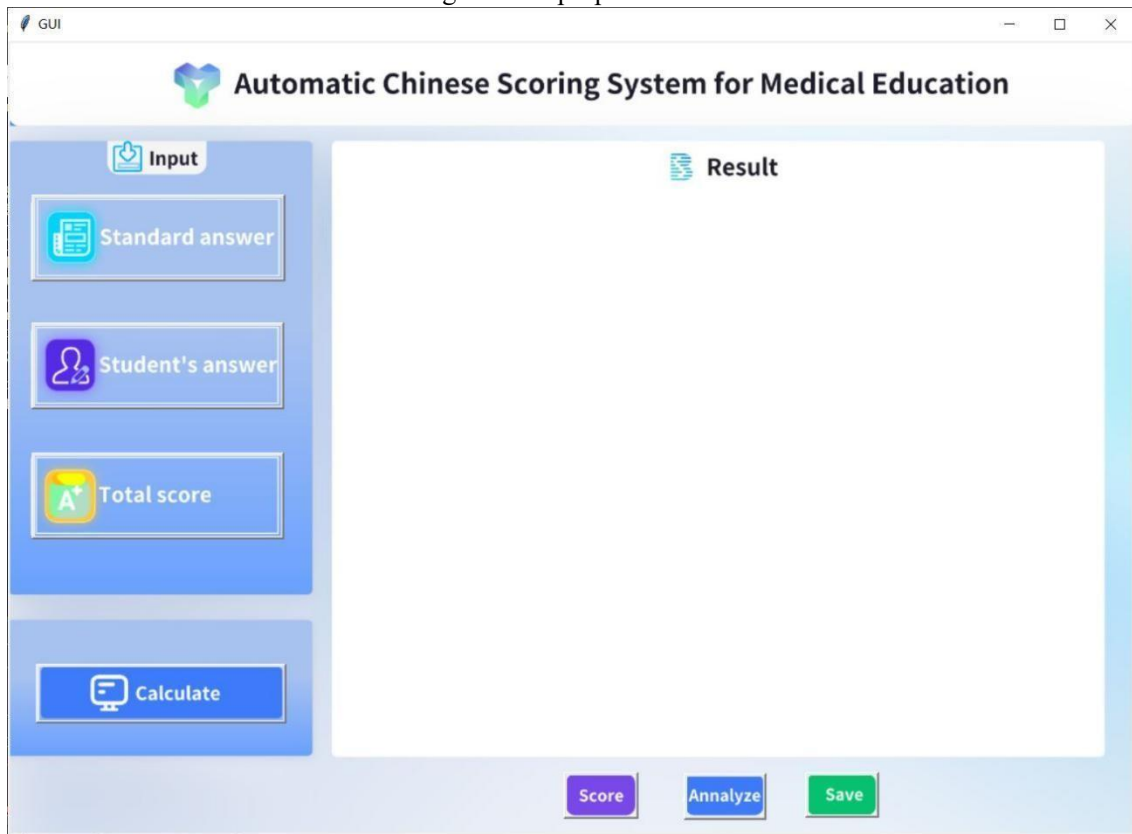


Figure 10: "GUI" graphical interface

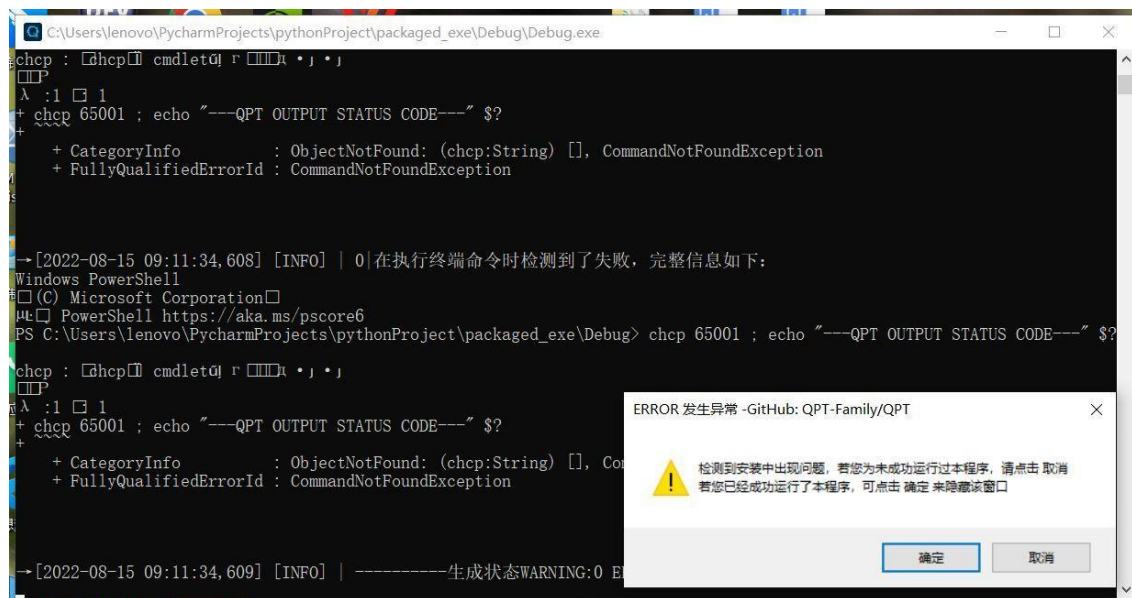


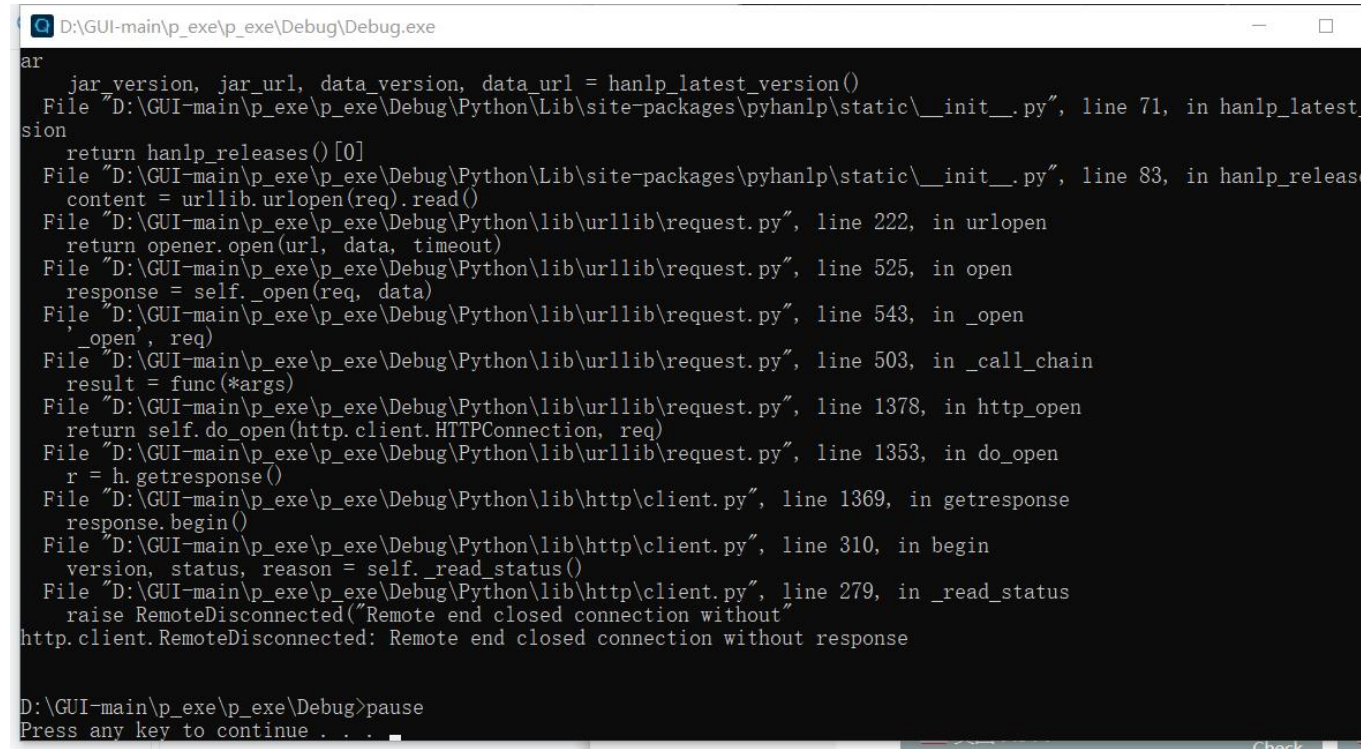
Figure 11: Pop-up window

Step 7. Continue to wait for 3 to 4 minutes. The "GUI" software window will automatically appear. At this point, the installation is finished.

Note that do not close the 'Debug. exe' window when running the GUI interface.

Question 1:

If the pop-up window shown in Figure 12 appears in the third step, it is because some packages need to be downloaded during the installation process, and your network does not support downloading this package. Please replace the network you are connected to. At present, the networks we have tested that can be used are those in China and some parts of the United States.



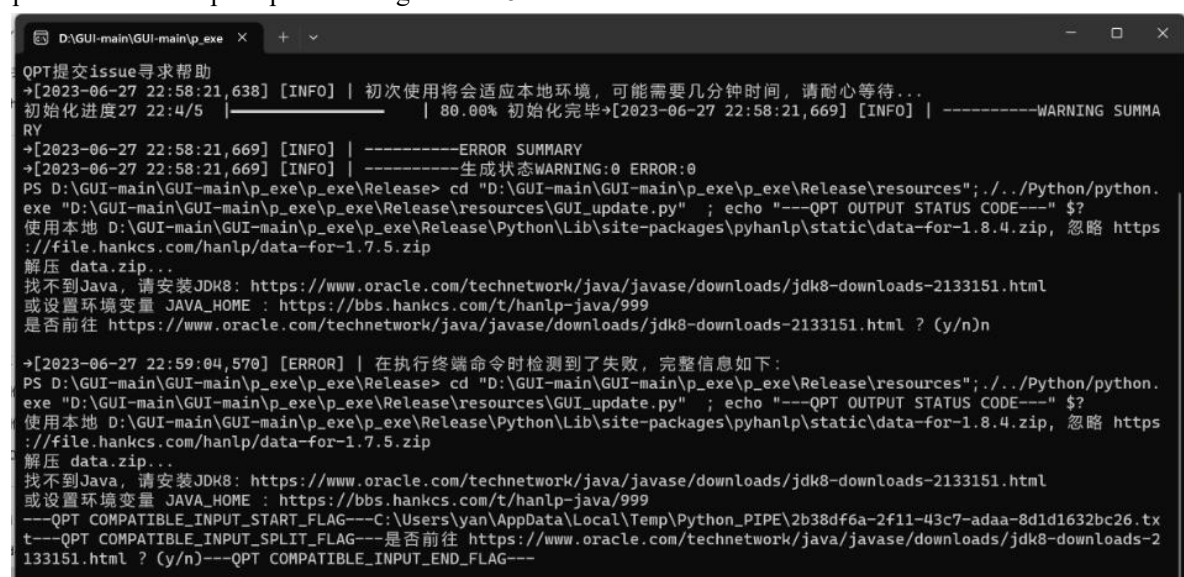
```
D:\GUI-main\p_exe\p_exe\Debug\Debug.exe
ar
  jar_version, jar_url, data_version, data_url = hanlp_latest_version()
File "D:\GUI-main\p_exe\p_exe\Debug\Python\Lib\site-packages\pyhanlp\static\__init__.py", line 71, in hanlp_latest
sion
    return hanlp_releases()[0]
File "D:\GUI-main\p_exe\p_exe\Debug\Python\Lib\site-packages\pyhanlp\static\__init__.py", line 83, in hanlp_releas
content = urllib.urlopen(req).read()
File "D:\GUI-main\p_exe\p_exe\Debug\Python\lib\urllib\request.py", line 222, in urlopen
    return opener.open(url, data, timeout)
File "D:\GUI-main\p_exe\p_exe\Debug\Python\lib\urllib\request.py", line 525, in open
    response = self._open(req, data)
File "D:\GUI-main\p_exe\p_exe\Debug\Python\lib\urllib\request.py", line 543, in _open
    '_open', req)
File "D:\GUI-main\p_exe\p_exe\Debug\Python\lib\urllib\request.py", line 503, in _call_chain
    result = func(*args)
File "D:\GUI-main\p_exe\p_exe\Debug\Python\lib\urllib\request.py", line 1378, in http_open
    return self.do_open(http.client.HTTPConnection, req)
File "D:\GUI-main\p_exe\p_exe\Debug\Python\lib\urllib\request.py", line 1353, in do_open
    r = h.getresponse()
File "D:\GUI-main\p_exe\p_exe\Debug\Python\lib\http\client.py", line 1369, in getresponse
    response.begin()
File "D:\GUI-main\p_exe\p_exe\Debug\Python\lib\http\client.py", line 310, in begin
    version, status, reason = self._read_status()
File "D:\GUI-main\p_exe\p_exe\Debug\Python\lib\http\client.py", line 279, in _read_status
    raise RemoteDisconnected("Remote end closed connection without
http.client.RemoteDisconnected: Remote end closed connection without response

D:\GUI-main\p_exe\p_exe\Debug>pause
Press any key to continue . . .
```

Figure 12: network

Question 2:

If the problem shown in Figure 13 occurs in the third step due to not configuring JDK8 properly, please follow the prompts to configure JDK8 first.



```
D:\GUI-main\GUI-main\p_exe
QPT提交issue寻求帮助
+ [2023-06-27 22:58:21,638] [INFO] | 初次使用将会适应本地环境, 可能需要几分钟时间, 请耐心等待...
初始化进度 27 22:4/5 | 80.00% 初始化完毕 + [2023-06-27 22:58:21,669] [INFO] | -----WARNING SUMMA
RY
+ [2023-06-27 22:58:21,669] [INFO] | -----ERROR SUMMARY
+ [2023-06-27 22:58:21,669] [INFO] | -----生成状态WARNING:0 ERROR:0
PS D:\GUI-main\GUI-main\p_exe\Release> cd "D:\GUI-main\GUI-main\p_exe\Release\resources"; ../Python/python.
exe "D:\GUI-main\GUI-main\p_exe\Release\resources\GUI_update.py" ; echo "---QPT OUTPUT STATUS CODE---" $?
使用本地 D:\GUI-main\GUI-main\p_exe\Release\Python\Lib\site-packages\pyhanlp\static\data-for-1.8.4.zip, 忽略 https
://file.hankcs.com/hanlp/data-for-1.7.5.zip
解压 data.zip...
找不到Java, 请安装JDK8: https://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html
或设置环境变量 JAVA_HOME : https://bbs.hankcs.com/t/hanlp-java/999
是否前往 https://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html ? (y/n)n

+ [2023-06-27 22:59:04,570] [ERROR] | 在执行终端命令时检测到了失败, 完整信息如下:
PS D:\GUI-main\GUI-main\p_exe\Release> cd "D:\GUI-main\GUI-main\p_exe\Release\resources"; ../Python/python.
exe "D:\GUI-main\GUI-main\p_exe\Release\resources\GUI_update.py" ; echo "---QPT OUTPUT STATUS CODE---" $?
使用本地 D:\GUI-main\GUI-main\p_exe\Release\Python\Lib\site-packages\pyhanlp\static\data-for-1.8.4.zip, 忽略 https
://file.hankcs.com/hanlp/data-for-1.7.5.zip
解压 data.zip...
找不到Java, 请安装JDK8: https://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html
或设置环境变量 JAVA_HOME : https://bbs.hankcs.com/t/hanlp-java/999
---QPT COMPATIBLE_INPUT_START_FLAG---C:\Users\yan\AppData\Local\Temp\Python_PIPE\2b38df6a-2f11-43c7-adaa-8d1d1632bc26.tx
t---QPT COMPATIBLE_INPUT_SPLIT_FLAG---是否前往 https://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2
133151.html ? (y/n)---QPT COMPATIBLE_INPUT_END_FLAG---
```

Figure 13: JDK8