

To Install HFT

1. To install HFT, use terminal to navigate the file PE-HFT-Python-master

```
C:\Users\frank\Downloads\PE-HFT-Python-master>cd C:\Users\frank\Desktop\hft-signals-master
```

2. Let the file setup.py in this folder automatically install HFT for you

PowerShell ▾

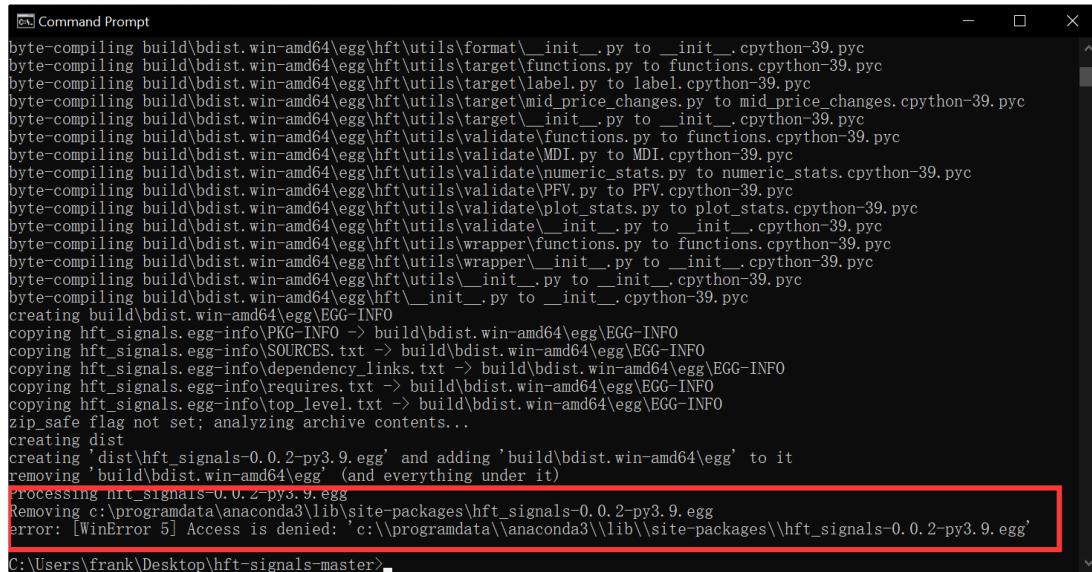
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```
python setup.py install
```

```
C:\Users\frank\Downloads\PE-HFT-Python-master>python setup.py install
```

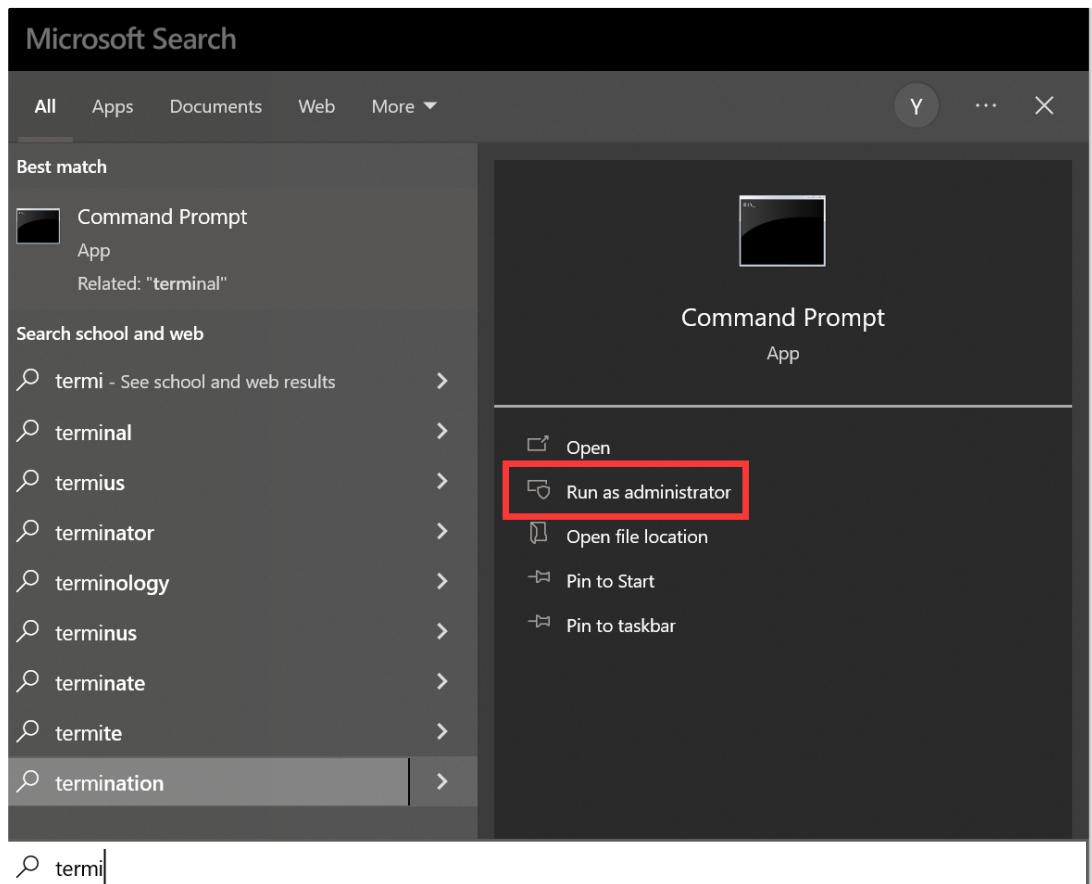
3. However, there will be three kinds of error if you didn't properly setup your environment when installing HFT:

▼ Access denied



```
byte-compiling build\bdist.win-amd64\egg\hft\utils\format\_init_.py to __init__.cpython-39.pyc
byte-compiling build\bdist.win-amd64\egg\hft\utils\target\functions.py to functions.cpython-39.pyc
byte-compiling build\bdist.win-amd64\egg\hft\utils\target\label.py to label.cpython-39.pyc
byte-compiling build\bdist.win-amd64\egg\hft\utils\target\mid_price_changes.py to mid_price_changes.cpython-39.pyc
byte-compiling build\bdist.win-amd64\egg\hft\utils\target\_init_.py to __init__.cpython-39.pyc
byte-compiling build\bdist.win-amd64\egg\hft\utils\validate\functions.py to functions.cpython-39.pyc
byte-compiling build\bdist.win-amd64\egg\hft\utils\validate\MDI.py to MDI.cpython-39.pyc
byte-compiling build\bdist.win-amd64\egg\hft\utils\validate\numeric_stats.py to numeric_stats.cpython-39.pyc
byte-compiling build\bdist.win-amd64\egg\hft\utils\validate\PFV.py to PFV.cpython-39.pyc
byte-compiling build\bdist.win-amd64\egg\hft\utils\validate\plot_stats.py to plot_stats.cpython-39.pyc
byte-compiling build\bdist.win-amd64\egg\hft\utils\validate\_init_.py to __init__.cpython-39.pyc
byte-compiling build\bdist.win-amd64\egg\hft\utils\wrapper\functions.py to functions.cpython-39.pyc
byte-compiling build\bdist.win-amd64\egg\hft\utils\wrapper\_init_.py to __init__.cpython-39.pyc
byte-compiling build\bdist.win-amd64\egg\hft\utils\_init_.py to __init__.cpython-39.pyc
byte-compiling build\bdist.win-amd64\egg\hft\utils\__init__.py to __init__.cpython-39.pyc
creating build\bdist.win-amd64\egg\EGG-INFO
copying hft_signals.egg-info\PKG-INFO -> build\bdist.win-amd64\egg\EGG-INFO
copying hft_signals.egg-info\SOURCES.txt -> build\bdist.win-amd64\egg\EGG-INFO
copying hft_signals.egg-info\dependency_links.txt -> build\bdist.win-amd64\egg\EGG-INFO
copying hft_signals.egg-info\requires.txt -> build\bdist.win-amd64\egg\EGG-INFO
copying hft_signals.egg-info\top_level.txt -> build\bdist.win-amd64\egg\EGG-INFO
zip_safe flag not set; analyzing archive contents...
creating dist
creating 'dist\hft_signals-0.0.2-py3.9.egg' and adding 'build\bdist.win-amd64\egg' to it
removing 'build\bdist.win-amd64\egg' (and everything under it)
Processing hft_signals-0.0.2-py3.9.egg
Removing c:\programdata\anaconda3\lib\site-packages\hft_signals-0.0.2-py3.9.egg
error: [WinError 5] Access is denied: 'c:\programdata\anaconda3\lib\site-packages\hft_signals-0.0.2-py3.9.egg'
```

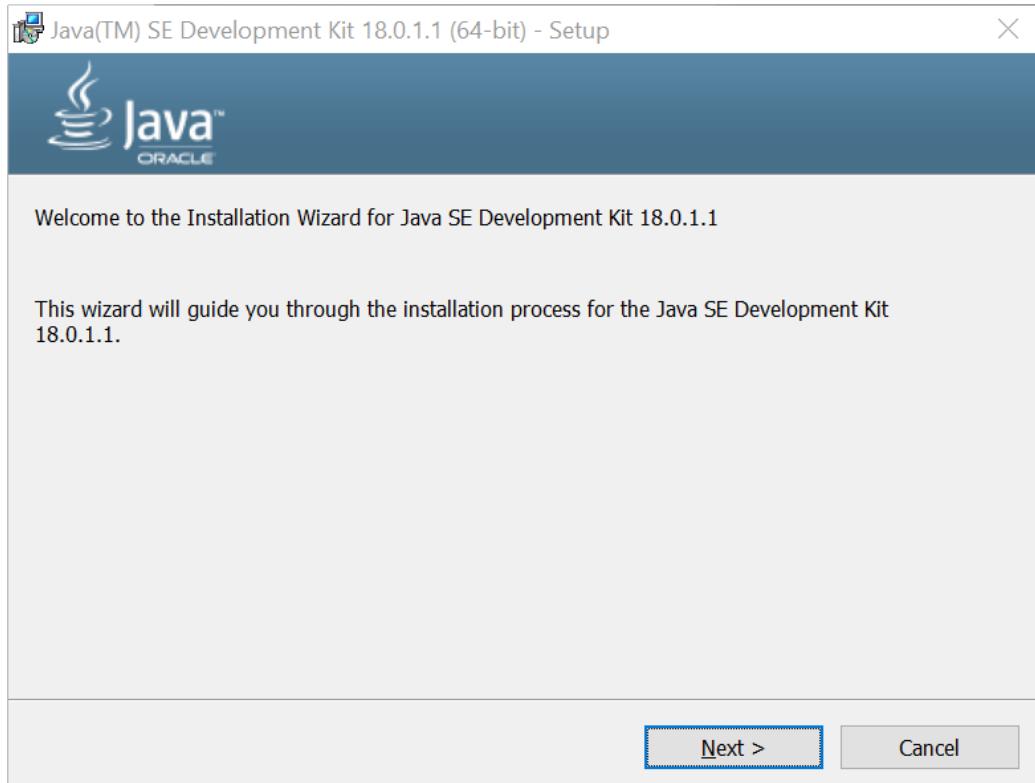
This error occurs because the terminal doesn't have permission to access the file. To solve this problem, simply run your terminal as administrator.



▼ JDK_HOME isn't defined or JRE_HOME isn't defined

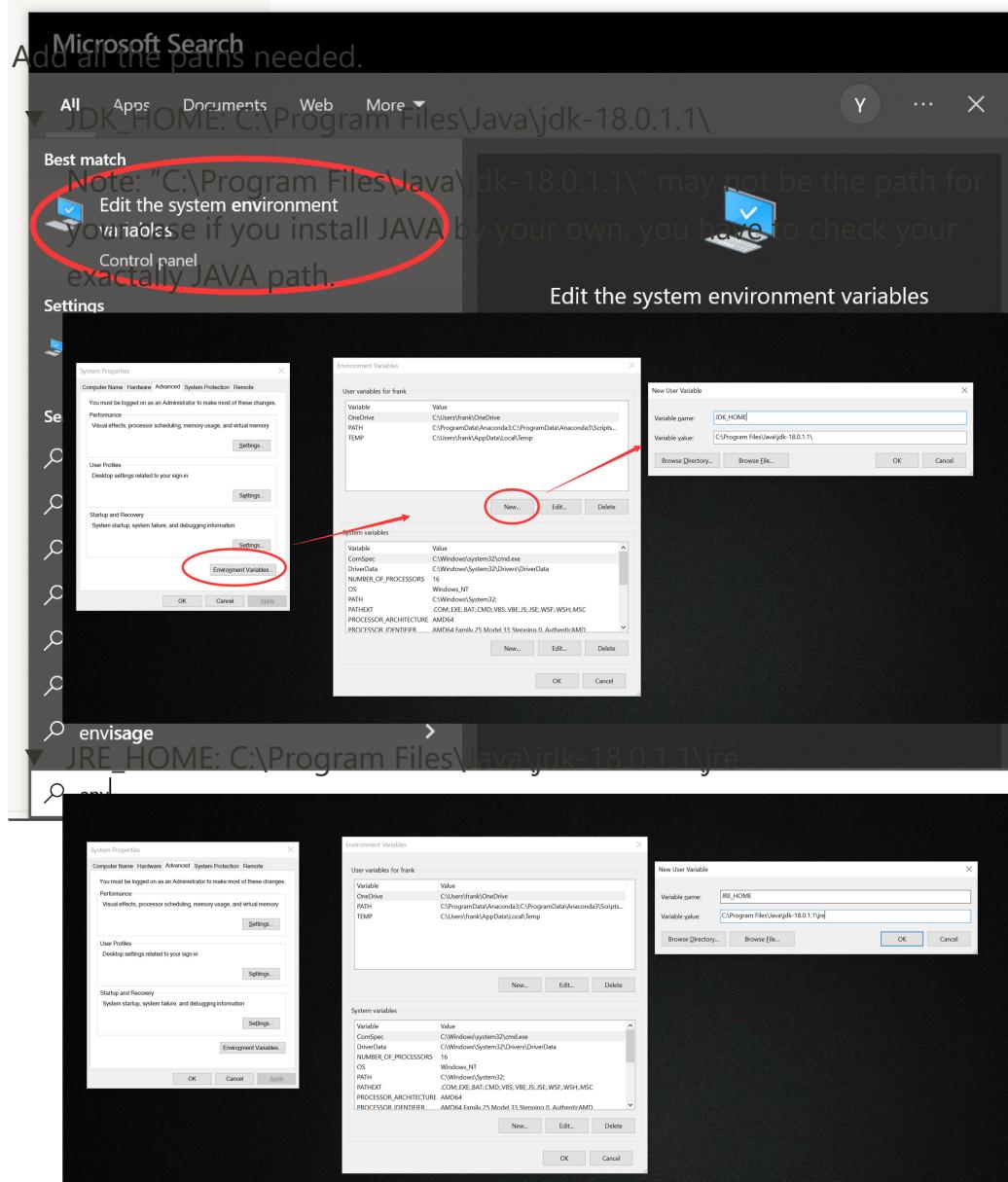
This error occurs because you don't have a proper JAVA environment to support this installation.

1. Install JAVA (If you already have JAVA, you could skip this part). The installer is provided in Wechat Group. Just simply follow the guide to install JAVA. I suggest you to install it in default location in order to easily follow the next step.



2. Your computer have to know where the JAVA is installed. Go to Environment variable settings.

3. Add all the paths needed.



Note: Jre is removed since certain version of JAVA, if you don't see jre file in that folder, you can simply generate the jre file by access to the folder and generate jre by the following command

```
bin\jlink.exe --module-path jmods --add-modules  
java.desktop --output jre
```

```

Administrator: Command Prompt
Microsoft Windows [Version 10.0.19043.1766]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\system32>cd C:\Program Files\Java\jdk-18.0.1.1
C:\Program Files\Java\jdk-18.0.1.1>bin\jlink.exe --module-path jmods --add-modules java.desktop --output jre
C:\Program Files\Java\jdk-18.0.1.1>
C:\Program Files\Java\jdk-18.0.1.1>

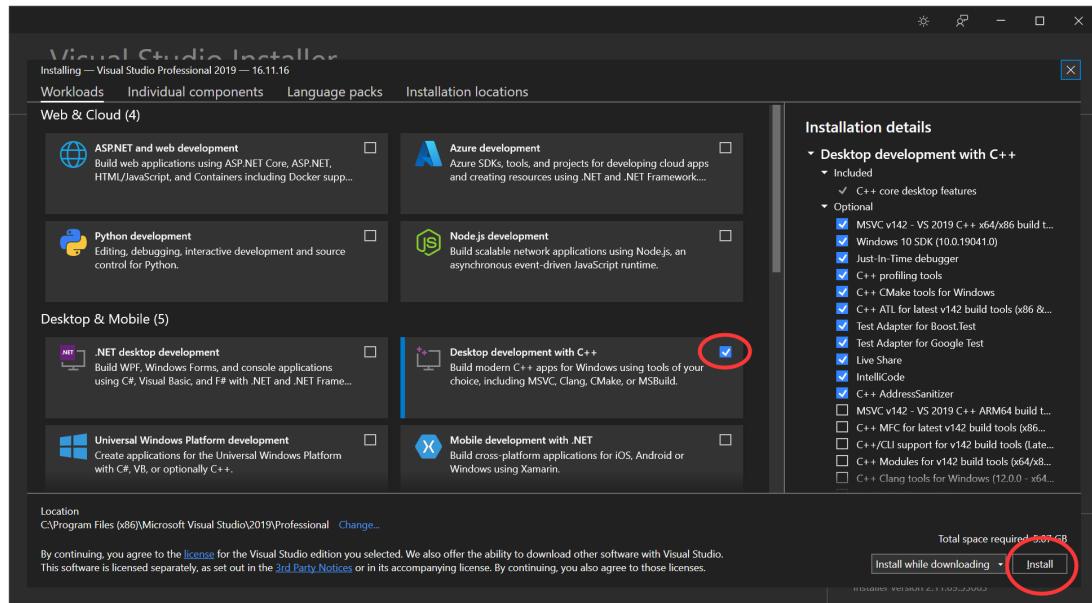
```

▼ Also add some related paths to path

C:\Program Files\Java\jdk-18.0.1.1\jre\bin\server\
C:\Program Files\Java\jdk-18.0.1.1\bin\`

▼ C++ compiler build needs to be installed (something like that)

Simply install the visual studio with c++ compiler



Note: This installation takes more than 5GB, if you have another way to only install c++ compiler that works fine for installing hft, you are welcome to ignore this part.

4. Repeat step 1 and step 2 again.

