

실무에 활용하는 Elasticsearch 검색엔진 구축 4기

윈도우즈 실습 환경 세팅하기



1. 자바 설치하기

<http://www.oracle.com/technetwork/java/javase/downloads/index.html> 접속

Java SE 8u161/ 8u162

Java SE 8u161 includes important bug fixes. Oracle strongly recommends that all Java SE 8 users upgrade to this release. Java SE 8u162 is a patch-set update, including all of 8u161 plus additional bug fixes (described in the release notes).
[Learn more](#)

- Installation Instructions
- Release Notes
- Oracle License
- Java SE Licensing Information User Manual
 - Includes Third Party Licenses
- Certified System Configurations
- Readme Files
 - JDK ReadMe
 - JRE ReadMe

JDK
DOWNLOAD

Server JRE
DOWNLOAD

JRE
DOWNLOAD

클릭!!

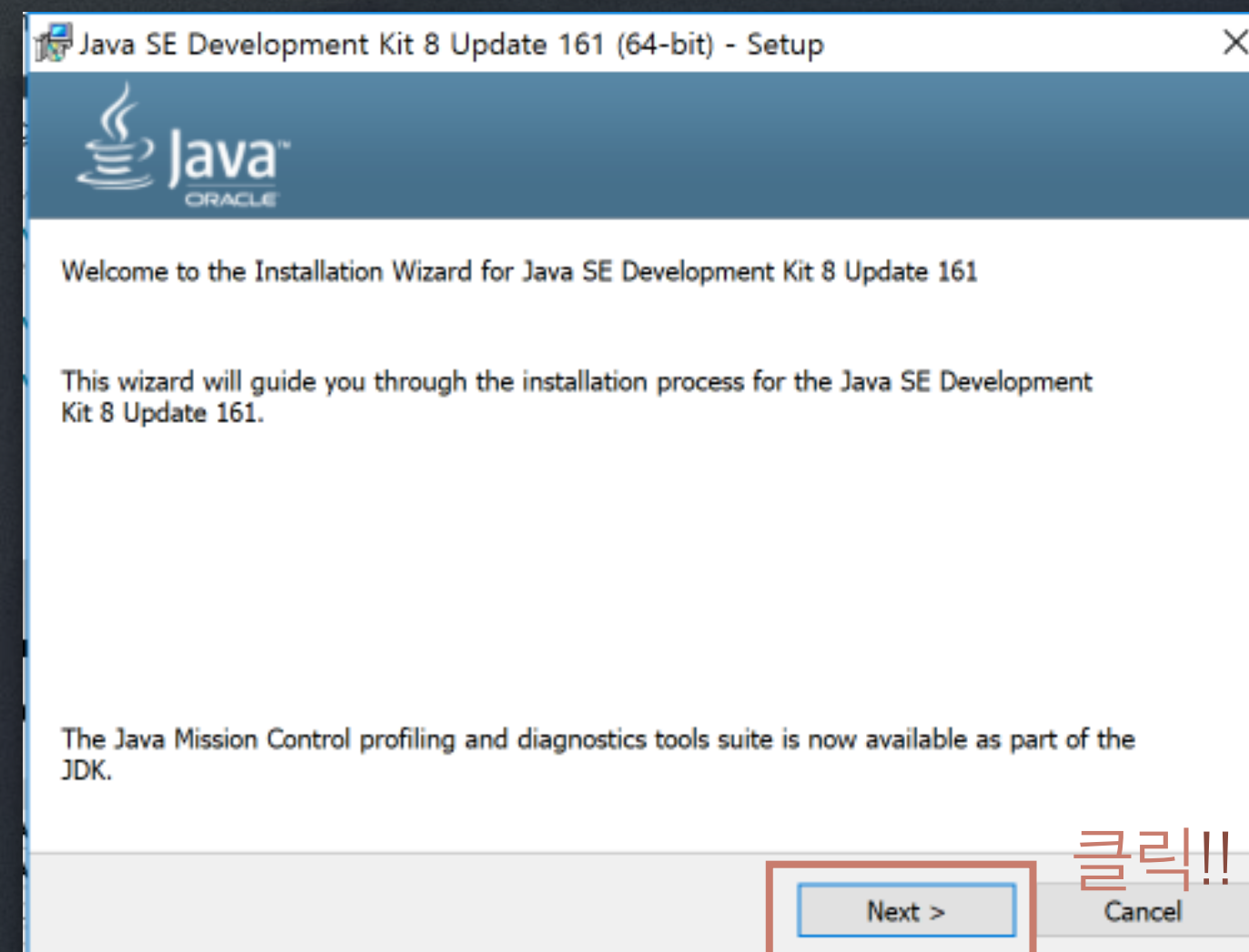
Java SE Development Kit 8u161

You must accept the [Oracle Binary Code License Agreement for Java SE](#) to download this software.
Thank you for accepting the Oracle Binary Code License Agreement for Java SE; you may now download this software.

Product / File Description	File Size	Download
Linux ARM 32 Hard Float ABI	77.92 MB	jdk-8u161-linux-arm32-vfp-hflt.tar.gz
Linux ARM 64 Hard Float ABI	74.88 MB	jdk-8u161-linux-arm64-vfp-hflt.tar.gz
Linux x86	168.96 MB	jdk-8u161-linux-i586.rpm
Linux x86	183.76 MB	jdk-8u161-linux-i586.tar.gz
Linux x64	166.09 MB	jdk-8u161-linux-x64.rpm
Linux x64	180.97 MB	jdk-8u161-linux-x64.tar.gz
macOS	247.12 MB	jdk-8u161-macosx-x64.dmg
Solaris SPARC 64-bit (SVR4 package)	139.99 MB	jdk-8u161-solaris-sparcv9.tar.Z
Solaris SPARC 64-bit	99.29 MB	jdk-8u161-solaris-sparcv9.tar.gz
Solaris x64	140.57 MB	jdk-8u161-solaris-x64.tar.Z
Solaris x64	97.02 MB	jdk-8u161-solaris-x64.tar.gz
Windows x86	198.54 MB	jdk-8u161-windows-i586.exe
Windows x64	206.51 MB	jdk-8u161-windows-x64.exe

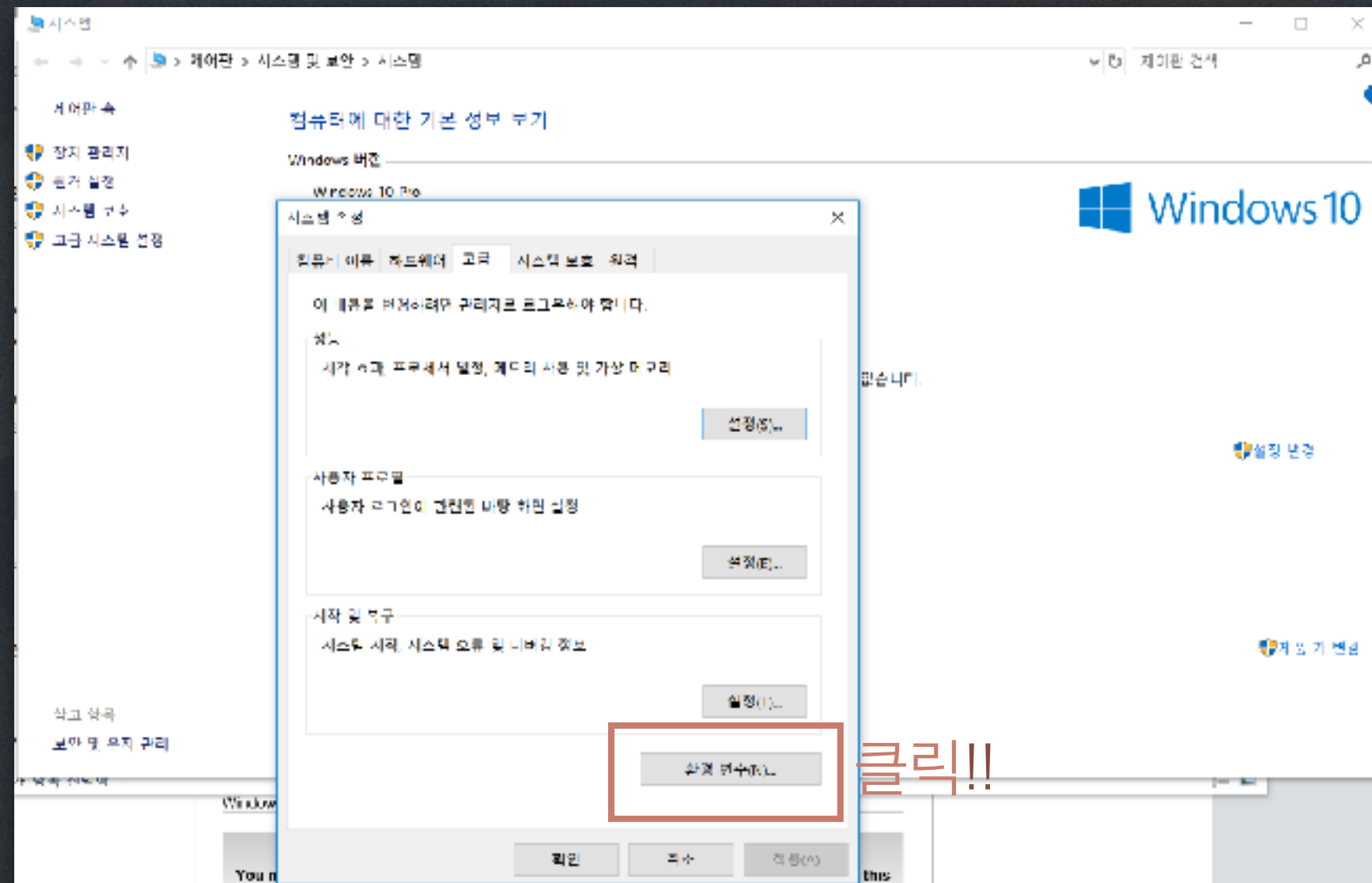
클릭!!

다운로드 후 파일을 클릭하여 실행



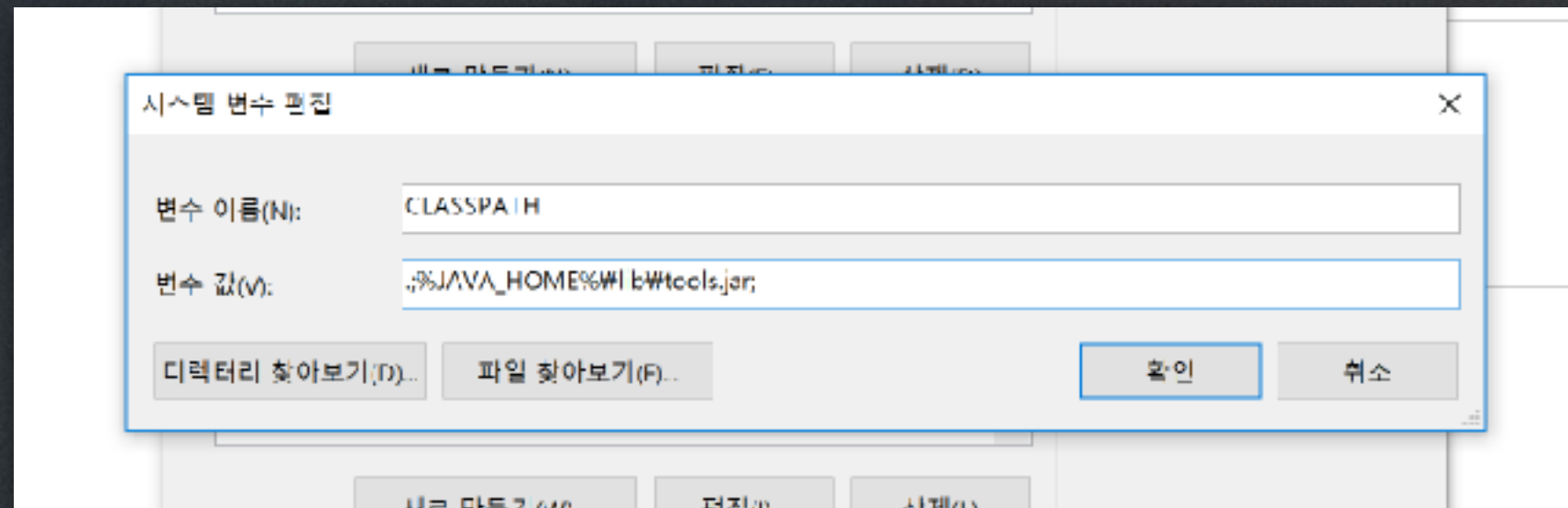
2. 시스템 환경변수 등록하기

제어판 > 시스템 및 보안 > 시스템 > 시스템 속성

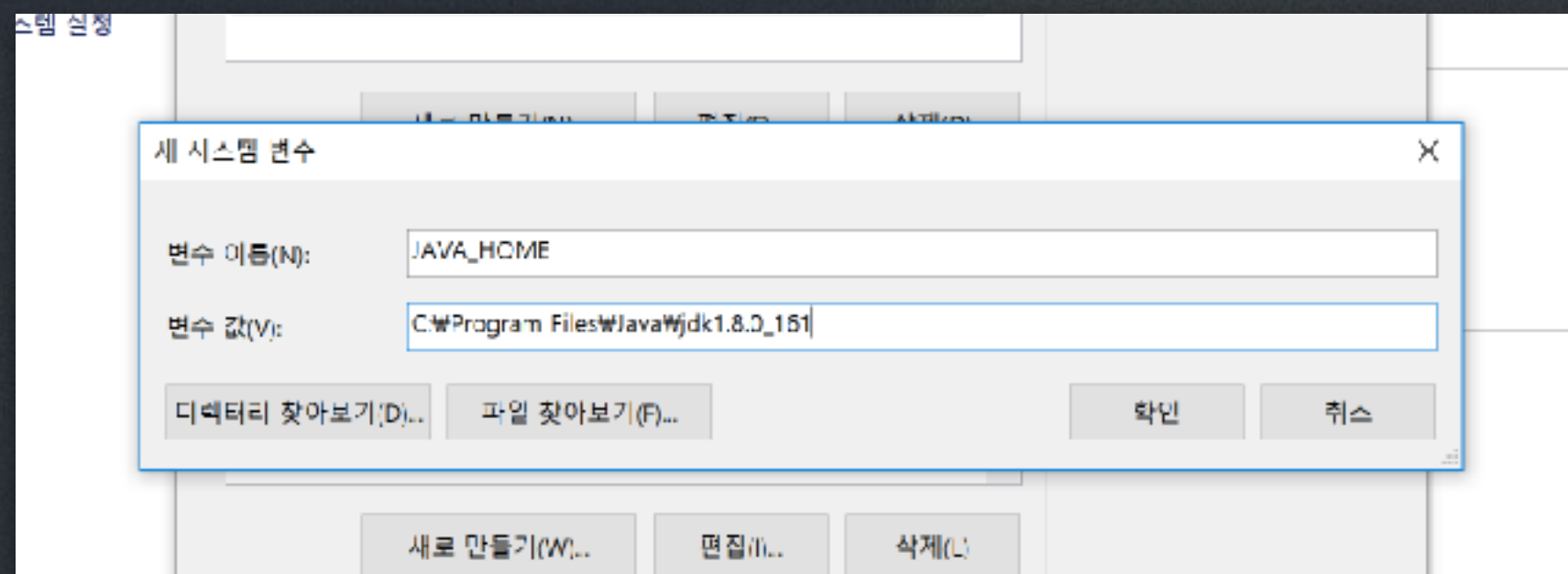


2. 시스템 환경변수 등록하기

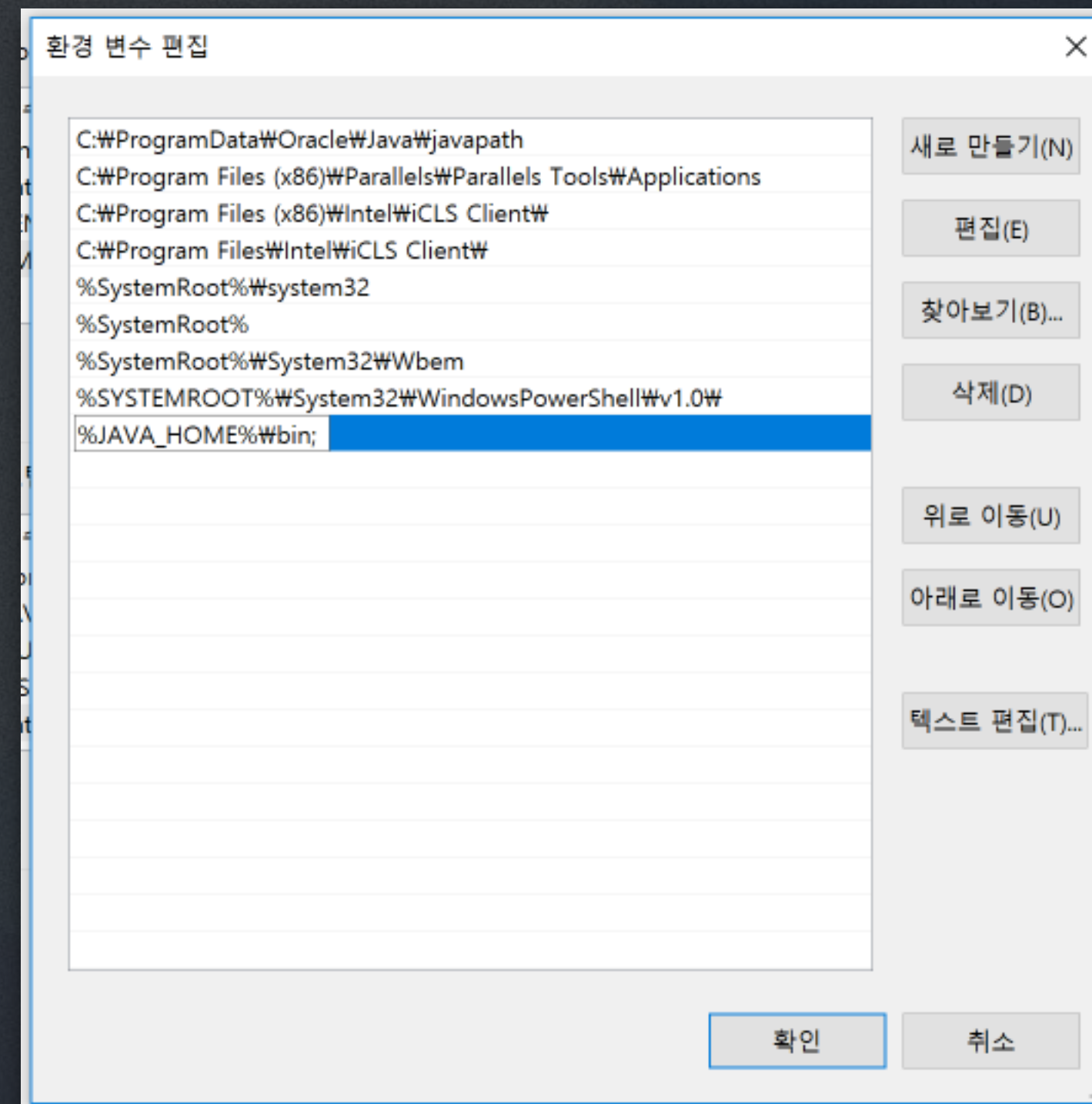
CLASSPATH 등록



JAVA_HOME 등록



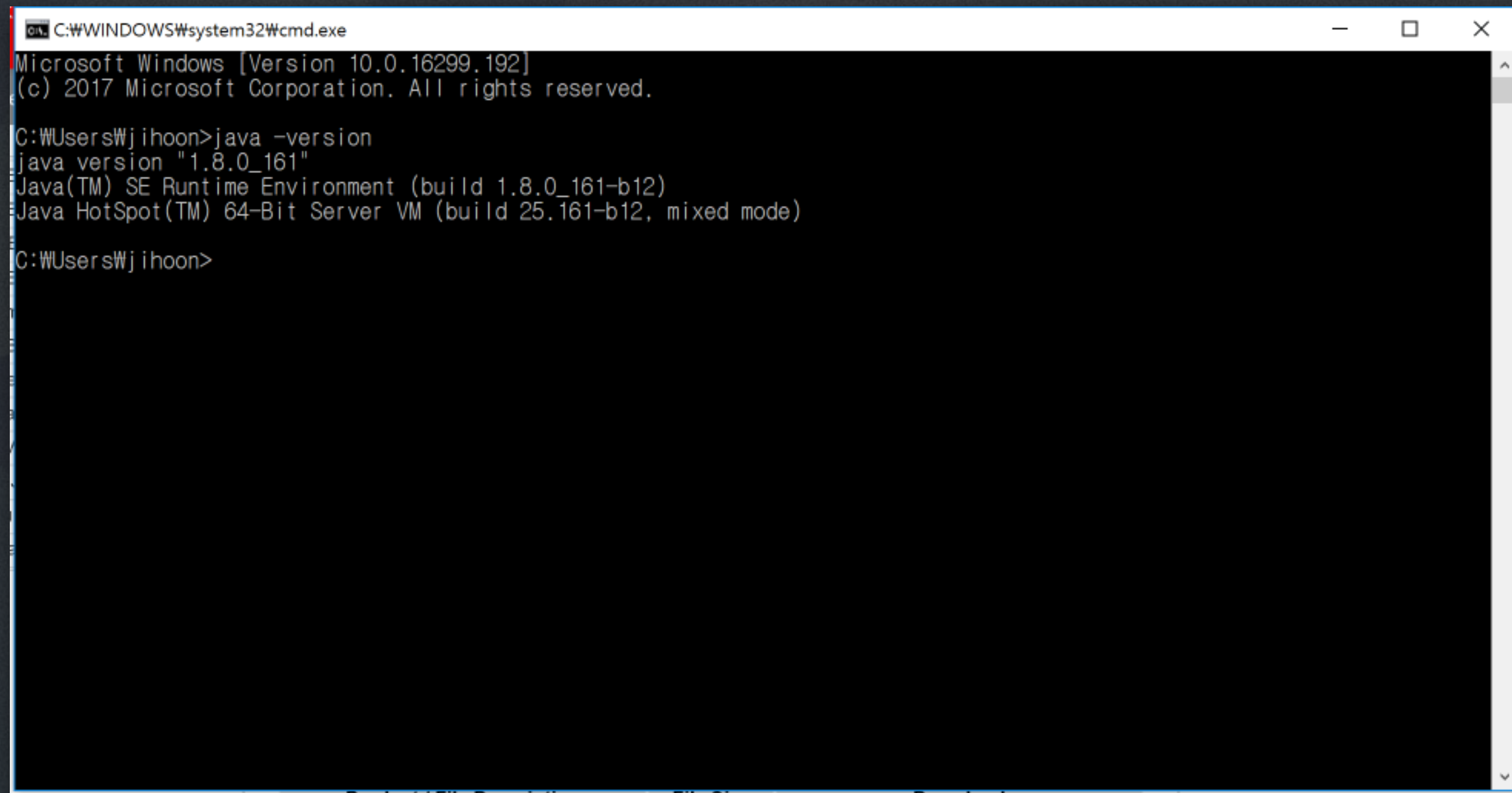
PATH 등록



등록후 재부팅 혹은 재로그인

2. 시스템 환경변수 등록하기

자바 설치 내역 확인하기

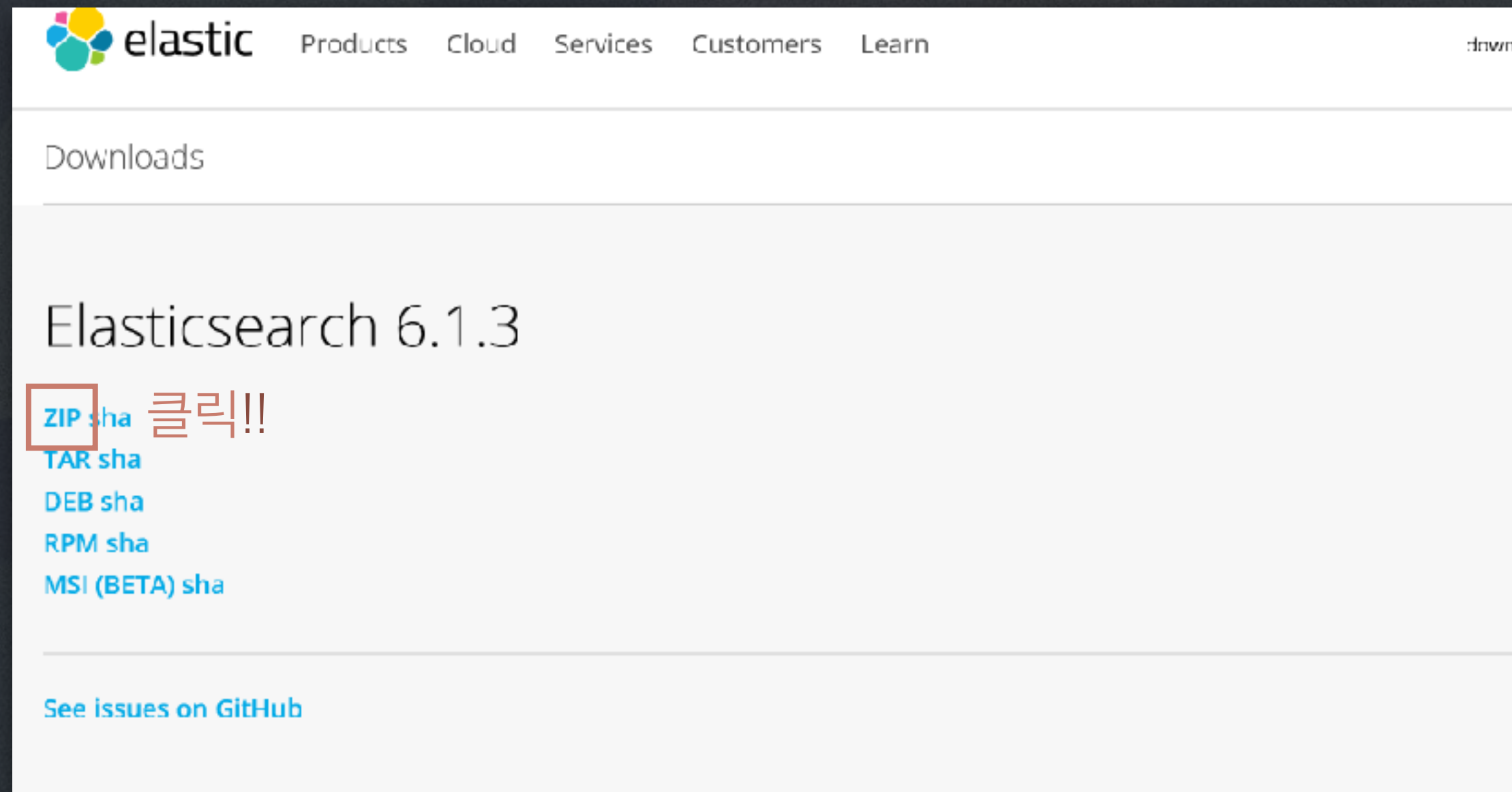


A screenshot of a Windows command prompt window. The title bar reads "C:\WINDOWS\system32\cmd.exe". The window content shows the following text:

```
Microsoft Windows [Version 10.0.16299.192]  
(c) 2017 Microsoft Corporation. All rights reserved.  
  
C:\Users\Wjihoon>java -version  
java version "1.8.0_161"  
Java(TM) SE Runtime Environment (build 1.8.0_161-b12)  
Java HotSpot(TM) 64-Bit Server VM (build 25.161-b12, mixed mode)  
  
C:\Users\Wjihoon>
```


3. 엘라스틱서치 다운로드

<https://www.elastic.co/downloads/past-releases/elasticsearch-6-1-3> 접속



적당한 위치에 압축해제

4. 엘라스틱서치 seunjeon 플러그인 설치

https://github.com/blaze94/fastcampus_ir_common/tree/master/lecture/lecture1 접속

elasticsearch-analysis-seunjeon-6.1.1.0.zip 다운로드

명령프롬프트에서 ES_HOME으로 이동후

bin\elasticsearch-plugin.bat install file:///C:\Users\jihoon\Downloads\elasticsearch-6.1.3\elasticsearch-analysis-seunjeon-6.1.1.0.zip

실행!!

```
C:\Users\j ihoon\Downloads\elasticsearch-6.1.3>bin\elasticsearch-plugin.bat install file:///C:\Users\j ihoon\Downloads\elasticsearch-6.1.3\elasticsearch-analysis-seunjeon-6.1.1.0.zip
-> Downloading file:///C:\Users\j ihoon\Downloads\elasticsearch-6.1.3\elasticsearch-analysis-seunjeon-6.1.1.0.zip
[=====] 100%??
-> Installed analysis-seunjeon

C:\Users\j ihoon\Downloads\elasticsearch-6.1.3>
```

4. 엘라스틱서치 실행 및 cerebro 실행

명령프롬프트에서 ES_HOME으로 이동후

bin\elasticsearch.bat 실행

```
C:\Users\Wjihoon\Downloads\elasticsearch-6.1.3>bin\elasticsearch
[2018-02-12T15:27:49,735][INFO ][o.e.n.Node               ] [] initializing ...
[2018-02-12T15:27:50,576][INFO ][o.e.e.NodeEnvironment ] [08j-EM8] using [1] data paths, mounts [[BOOTCAMP (C:)]], net usable_space [27.9gb], net total_space [60.6gb], types [NTFS]
[2018-02-12T15:27:50,577][INFO ][o.e.e.NodeEnvironment ] [08j-EM8] heap size [1007.3mb], compressed ordinary object pointers [true]
[2018-02-12T15:27:50,602][INFO ][o.e.n.Node               ] node name [08j-EM8] derived from node ID [08j-EM81SXCQGgiehJkVNg]; set [node.name] to override
[2018-02-12T15:27:50,623][INFO ][o.e.n.Node               ] version[6.1.3], pid[12068], build[af51318/2018-01-26T18:22:55.523Z], OS[Windows 10/10.0/amd64], JVM[Oracle Corporation/Java HotSpot(TM) 64-bit Server VM/1.8.0_161/25.161-b12]
[2018-02-12T15:27:50,629][INFO ][o.e.n.Node               ] JVM arguments [-Xms1g, -Xmx1g, -XX:+UseConcMarkSweepGC, -XX:CMSInitiatingOccupancyFraction=75, -XX:+UseCMSInitiatingOccupancyOnly, -XX:+AlwaysPreTouch, -Xss1m, -Djava.awt.headless=true, -Dfile.encoding=UTF-8, -Djna.nosys=true, -XX:-OmitStackTraceInFastThrow, -Dio.netty.noUnsafe=true, -Dio.netty.noKeySetOptimization=true, -Dio.netty.recycler.maxCapacityPerThread=0, -Dlog4j.shutdownHookEnabled=false, -Dlog4j2.disable.jmx=true, -XX:+HeapDumpOnOutOfMemoryError, -Delasticsearch, -Des.path.home=C:\Users\Wjihoon\Downloads\elasticsearch-6.1.3, -Des.path.conf=C:\Users\Wjihoon\Downloads\elasticsearch-6.1.3\config]
[2018-02-12T15:27:54,670][INFO ][o.e.p.PluginsService     ] [08j-EM8] loaded module [aggs-matrix-stats]
[2018-02-12T15:27:54,679][INFO ][o.e.p.PluginsService     ] [08j-EM8] loaded module [analysis-common]
[2018-02-12T15:27:54,708][INFO ][o.e.p.PluginsService     ] [08j-EM8] loaded module [ingest-common]
[2018-02-12T15:27:54,734][INFO ][o.e.p.PluginsService     ] [08j-EM8] loaded module [lang-expression]
[2018-02-12T15:27:54,739][INFO ][o.e.p.PluginsService     ] [08j-EM8] loaded module [lang-mustache]
[2018-02-12T15:27:54,756][INFO ][o.e.p.PluginsService     ] [08j-EM8] loaded module [lang-painless]
[2018-02-12T15:27:54,789][INFO ][o.e.p.PluginsService     ] [08j-EM8] loaded module [mapper-extras]
[2018-02-12T15:27:54,804][INFO ][o.e.p.PluginsService     ] [08j-EM8] loaded module [parent-join]
[2018-02-12T15:27:54,806][INFO ][o.e.p.PluginsService     ] [08j-EM8] loaded module [percolator]
[2018-02-12T15:27:54,826][INFO ][o.e.p.PluginsService     ] [08j-EM8] loaded module [reindex]
[2018-02-12T15:27:54,846][INFO ][o.e.p.PluginsService     ] [08j-EM8] loaded module [repository-url]
[2018-02-12T15:27:54,891][INFO ][o.e.p.PluginsService     ] [08j-EM8] loaded module [transport-netty4]
[2018-02-12T15:27:54,899][INFO ][o.e.p.PluginsService     ] [08j-EM8] loaded module [tribe]
[2018-02-12T15:27:54,902][INFO ][o.e.p.PluginsService     ] [08j-EM8] loaded plugin [analysis-icu]
[2018-02-12T15:27:54,906][INFO ][o.e.p.PluginsService     ] [08j-EM8] loaded plugin [analysis-seunjeon]
[2018-02-12T15:28:01,040][INFO ][o.e.d.DiscoveryModule     ] [08j-EM8] using discovery type [zen]
[2018-02-12T15:28:02,414][INFO ][o.e.n.Node               ] initialized
[2018-02-12T15:28:02,415][INFO ][o.e.n.Node               ] [08j-EM8] starting ...
[2018-02-12T15:28:03,050][INFO ][o.e.t.TransportService    ] [08j-EM8] publish_address {127.0.0.1:9300}, bound_addresses {127.0.0.1:9300}
[2018-02-12T15:28:06,151][INFO ][o.e.c.s.MasterService     ] [08j-EM8] zen-disco-elected-as-master ([0] nodes joined), reason: new_master {08j-EM8}{08j-EM81SXCQGgiehJkVNg}{1h7s34GrRj0tmSASawSCcw}{127.0.0.1}{127.0.0.1:9300}
[2018-02-12T15:28:06,162][INFO ][o.e.c.s.ClusterApplierService] [08j-EM8] new_master {08j-EM8}{08j-EM81SXCQGgiehJkVNg}{1h7s34GrRj0tmSASawSCcw}{127.0.0.1}{127.0.0.1:9300}, reason: apply cluster state from master [master {08j-EM8}{08j-EM81SXCQGgiehJkVNg}{1h7s34GrRj0tmSASawSCcw}{127.0.0.1}{127.0.0.1:9300} committed version [1] source [zen-disco-elected-as-master ([0] nodes joined)]]
[2018-02-12T15:28:06,270][INFO ][o.e.g.GatewayService      ] [08j-EM8] recovered [0] indices into cluster_state
[2018-02-12T15:28:06,622][INFO ][o.e.h.n.Netty4HttpServerTransport] [08j-EM8] publish_address {127.0.0.1:9200}, bound_addresses {127.0.0.1:9200}
[2018-02-12T15:28:06,630][INFO ][o.e.n.Node               ] [08j-EM8] started
```


4. 엘라스틱서치 실행 및 cerebro 실행

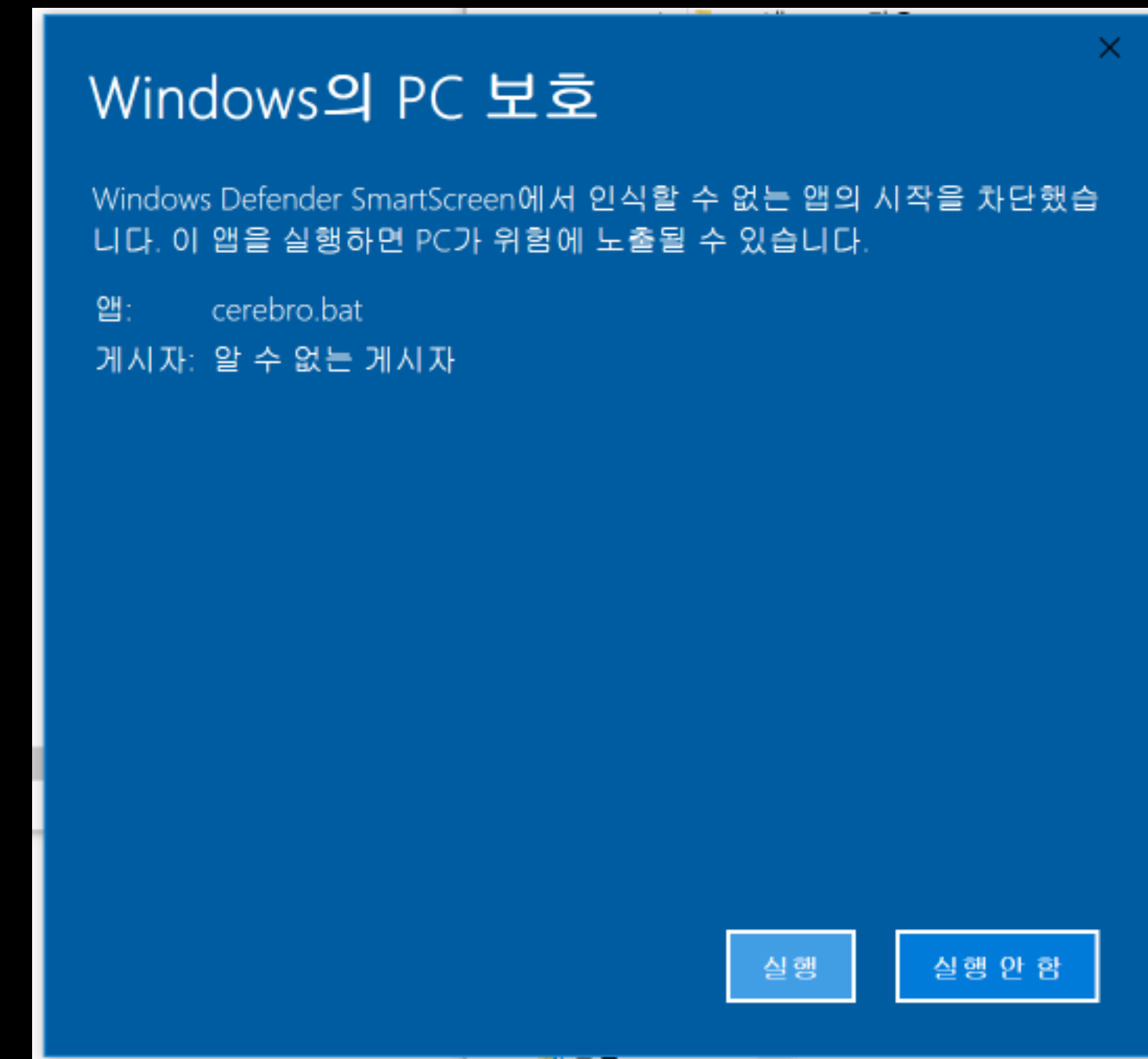
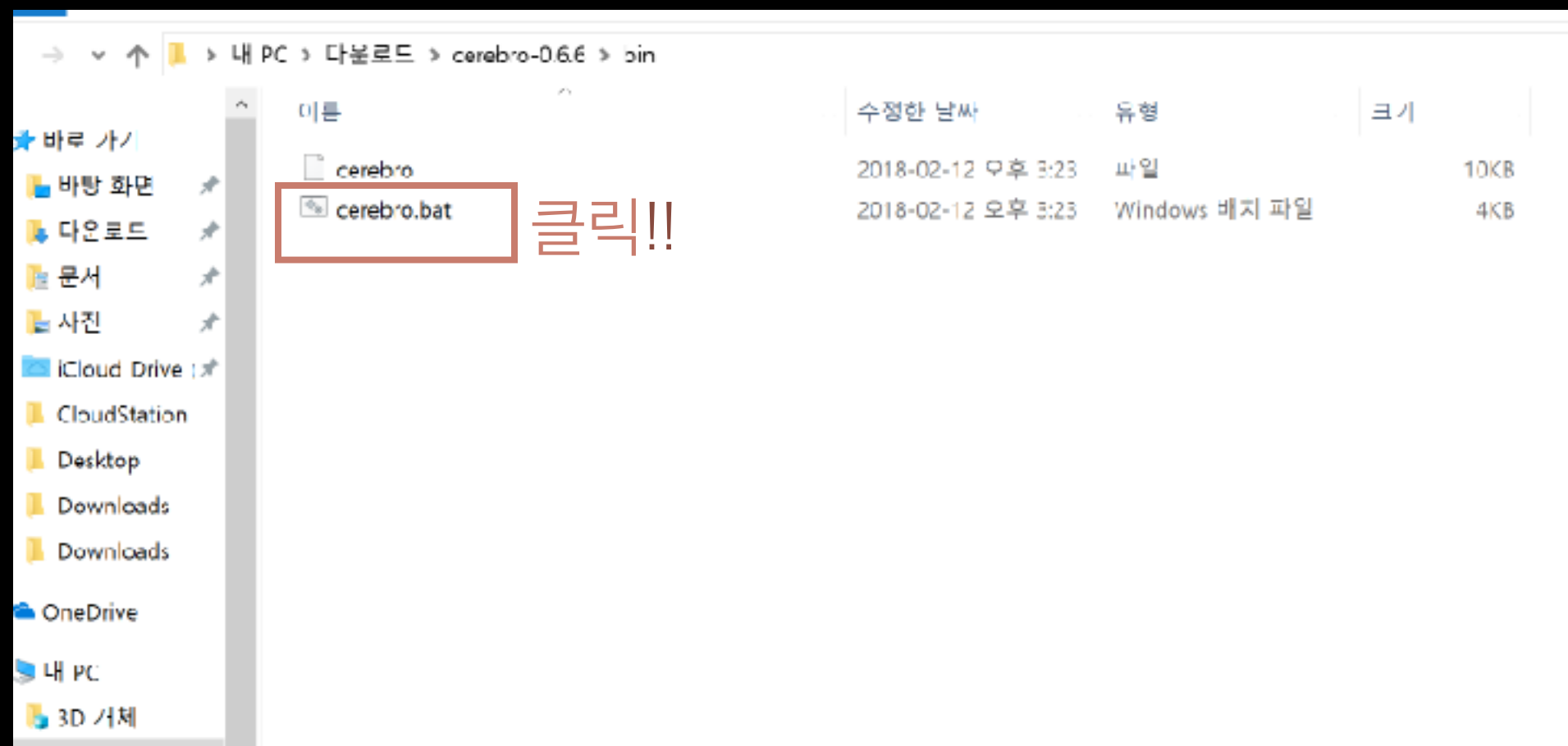
https://github.com/blaze94/fastcampus_ir_common/tree/master/lecture/lecture1 접속

cerebro-0.6.6.zip 다운로드

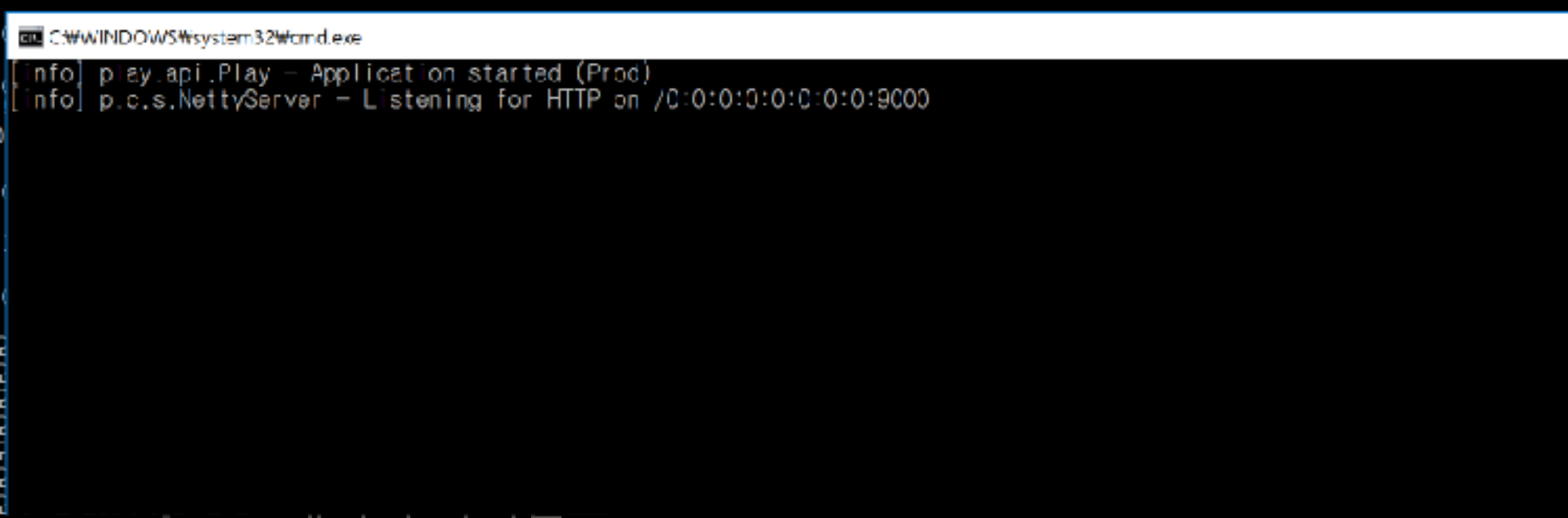
cerebro 압축을 푼 폴더에서 실행

윈도우 10에서는 아래와 같이 일시적으로 앱을 차단할수 있음

차단 해제후 실행



실행된 모습

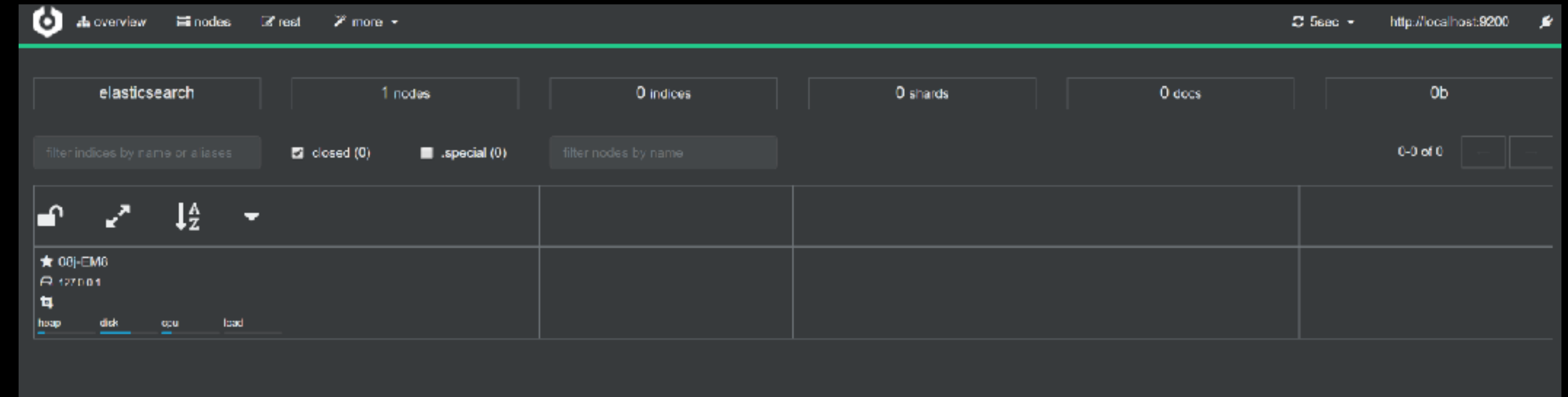
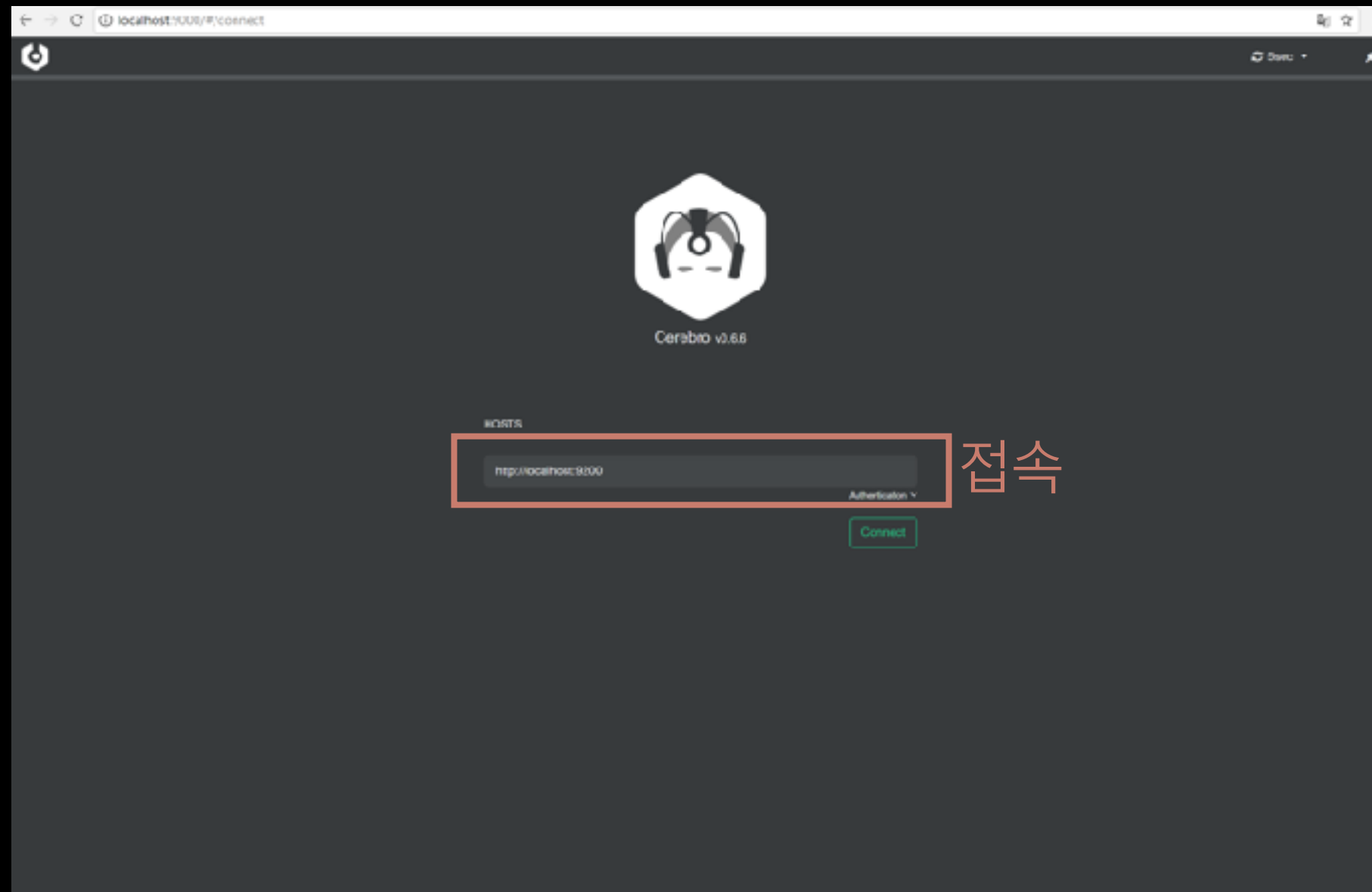


4. cerebro 접속

웹브라우저에서 <http://localhost:9000> 접속

<http://localhost:9200> 입력후 connect

접속후 화면



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문의 사항 있으시면 연락 부탁드립니다.

감사합니다.