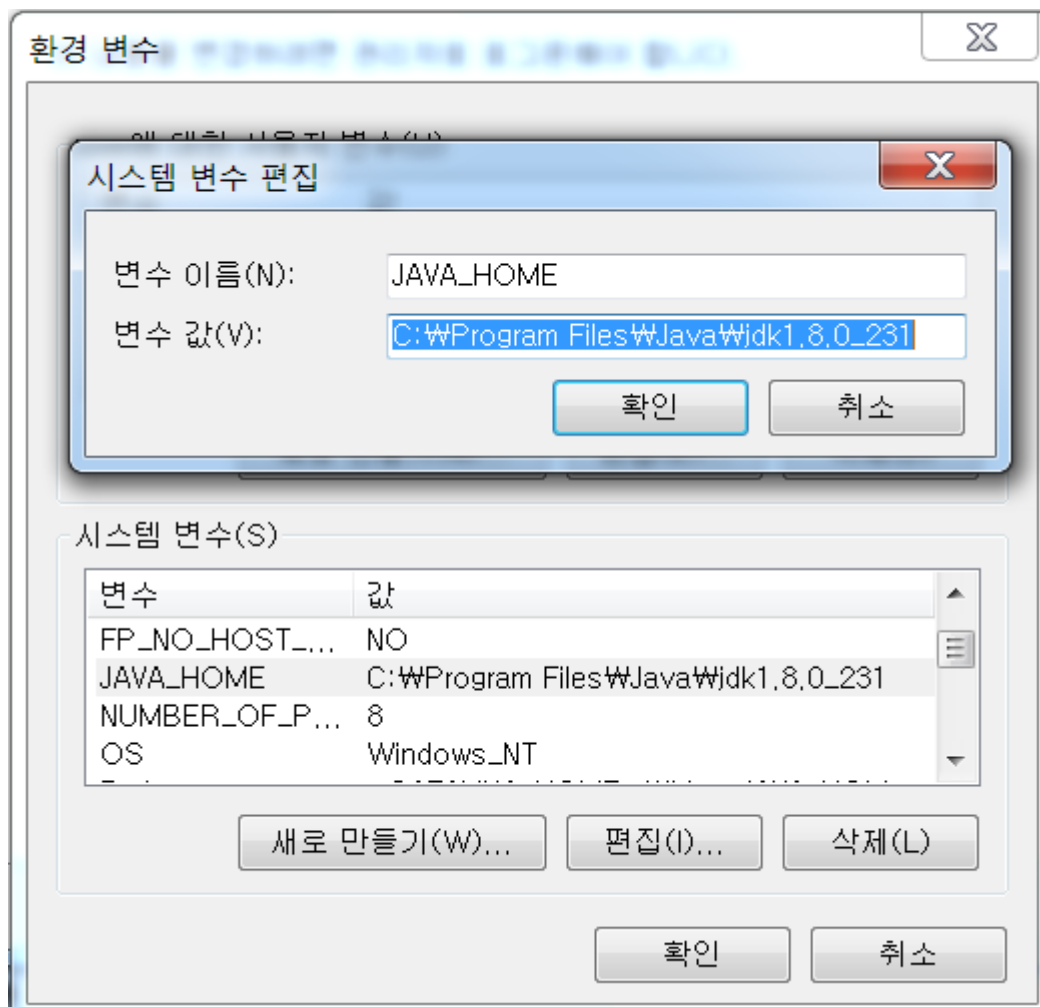
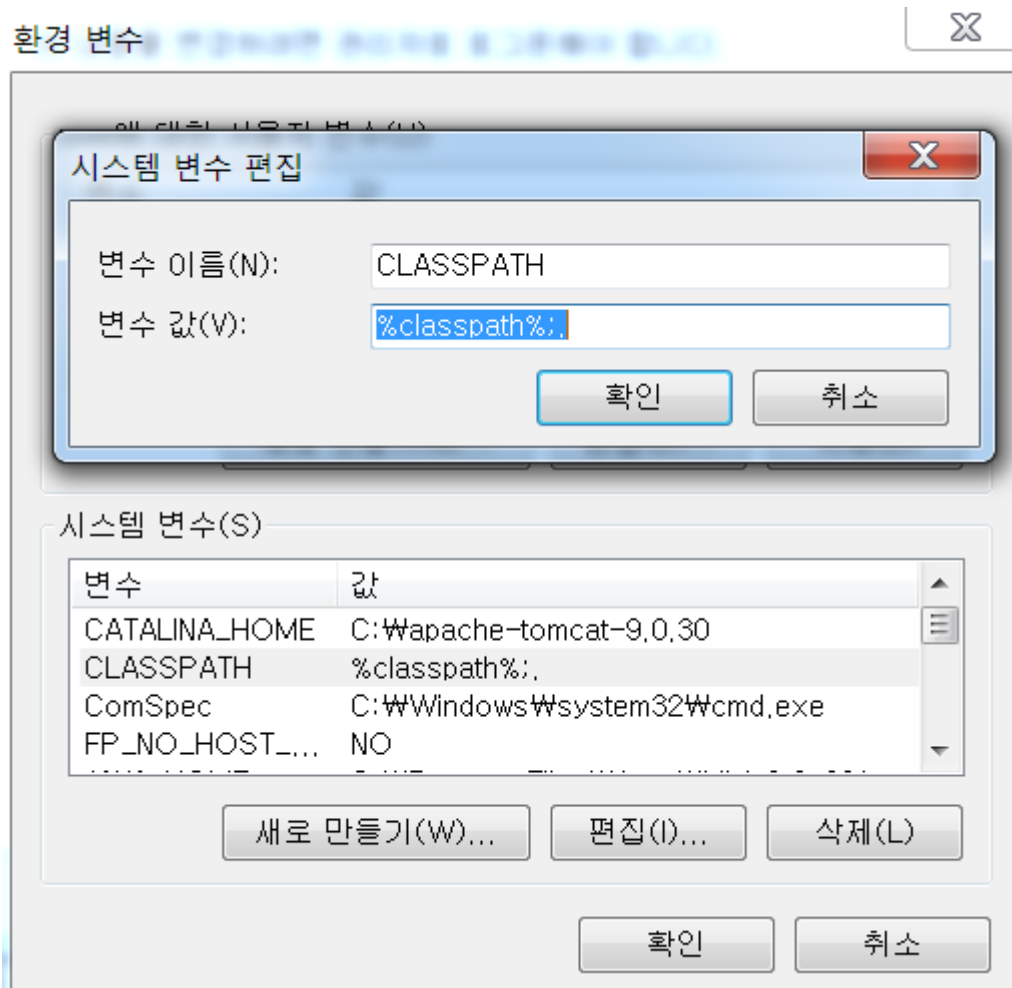


java 설치방법

1. oracle.org에서 jdk 버전 다운로드
2. 환경변수 설정
3. 새로만들기 → 이름: JAVA_HOME, 값: jdk 다운경로

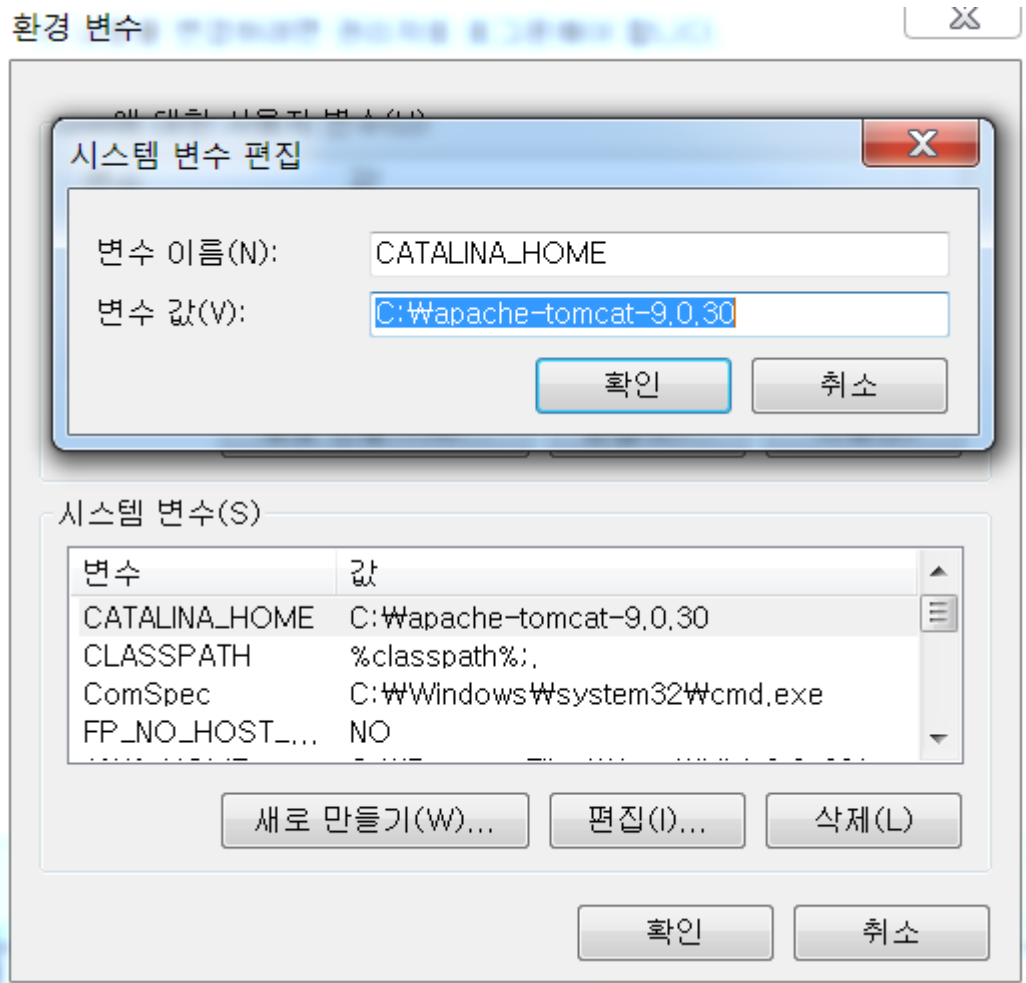


4. Path 부분 편집 → 맨앞쪽에 %JAVA_HOME%\bin; 입력 (; 필수)



tomcat 환경변수 설정

1. CATALINA_HOME 생성 → tomcat 다운경로 설정



2. Path 편집 → %CATALINA_HOME%\bin; 입력 후 저장 (; 필수)


```
C:\Users\User>startup
Using CATALINA_BASE:   "C:\apache-tomcat-9.0.30"
Using CATALINA_HOME:   "C:\apache-tomcat-9.0.30"
Using CATALINA_TMPDIR: "C:\apache-tomcat-9.0.30\temp"
Using JRE_HOME:        "C:\Program Files\Java\jdk1.8.0_231"
Using CLASSPATH:       "C:\apache-tomcat-9.0.30\bin\bootstrap.jar;C:\apache-tomcat-9.0.30\bin\tomcat-juli.jar"
C:\Users\User>
```

Tomcat

```
07-Jan-2020 13:45:30.105 ?뽕낫 [main] org.apache.catalina.startup.HostConfig.dep
loyDirectory ???쨌뽕뽕 ㄴ??뎡뽕 ?뽕뽕?쨌— [C:\apache-tomcat-9.0.30\webapps\host-
manager]??瑜? 諛갇뽕?(5)뽕??
07-Jan-2020 13:45:30.155 ?뽕낫 [main] org.apache.catalina.startup.HostConfig.dep
loyDirectory ???쨌뽕뽕 ㄴ??뎡뽕 ?뽕뽕?쨌— [C:\apache-tomcat-9.0.30\webapps\host-
manager]???갇??諛갇뽕뽕? [50] 諛갇뽕 ㄴ?뽕???뽕뽕?쨌뽕?뽕뽕?뽕뽕??
07-Jan-2020 13:45:30.159 ?뽕낫 [main] org.apache.catalina.startup.HostConfig.dep
```