

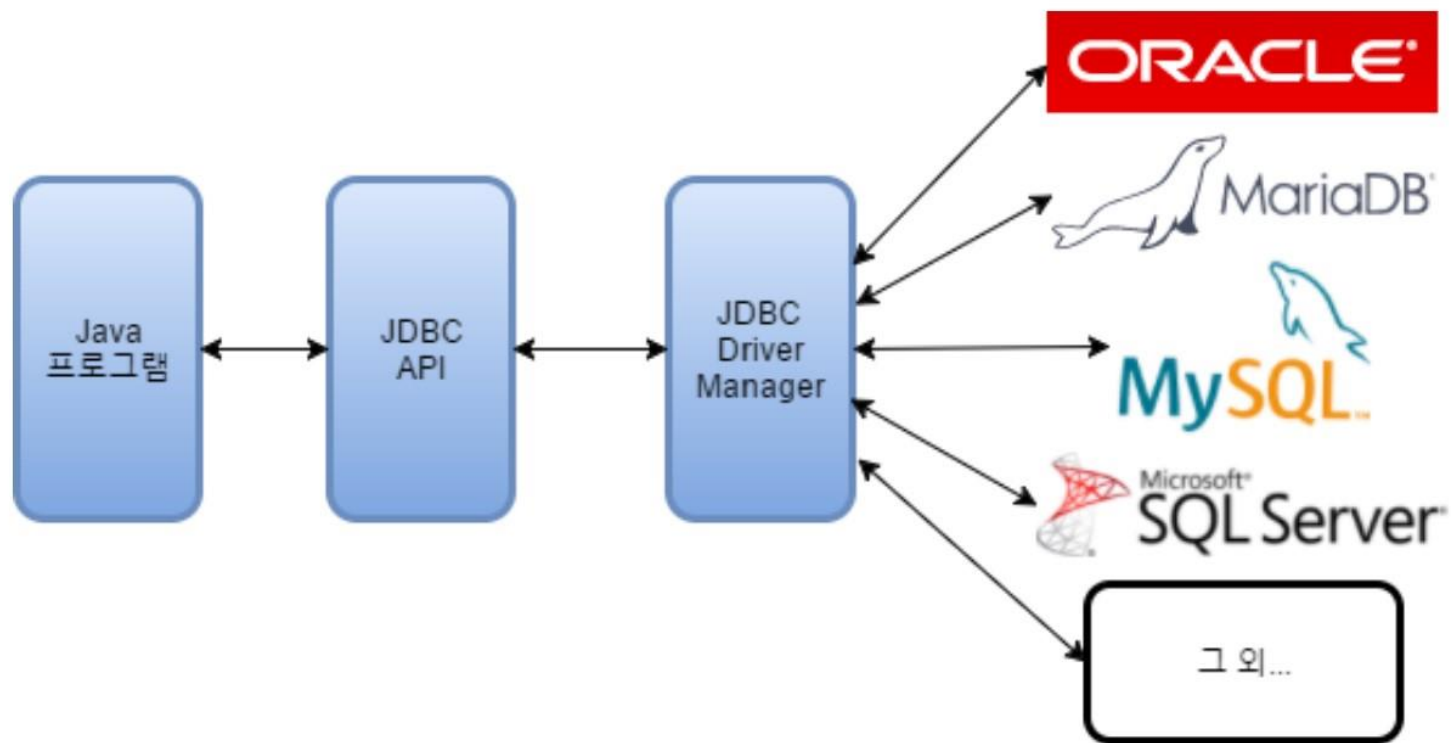
08

## CHAPTER

# Mysql과 Java 프로그램 연동



# JDBC 구조



# JDBC 드라이버 다운로드

<https://dev.mysql.com/downloads/connector/j/>

## MySQL Community Downloads

Connector/J

General Availability (GA) Releases

Archives



### Connector/J 9.0.0

Select Operating System:

Platform Independent

**Platform Independent (Architecture Independent),  
Compressed TAR Archive**

(mysql-connector-j-9.0.0.tar.gz)

9.0.0

4.3M

[Download](#)

MD5: 820b4d2fa1108130617093a444ee1496 | [Signature](#)

**Platform Independent (Architecture Independent),  
ZIP Archive**

(mysql-connector-j-9.0.0.zip)

9.0.0

5.1M

[Download](#)

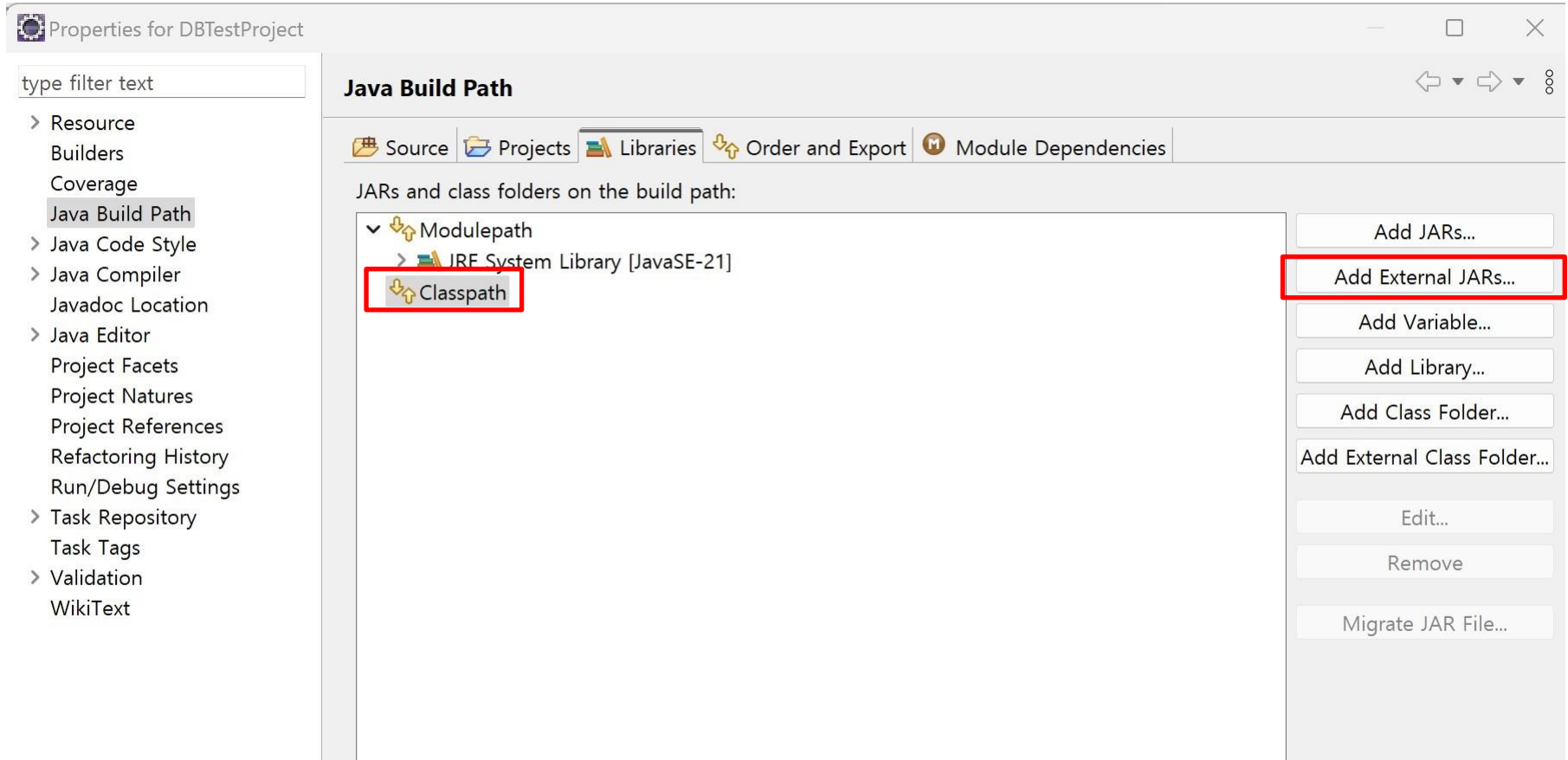
MD5: aeaf0db3a50f8756e58eb7a6aa21777d | [Signature](#)



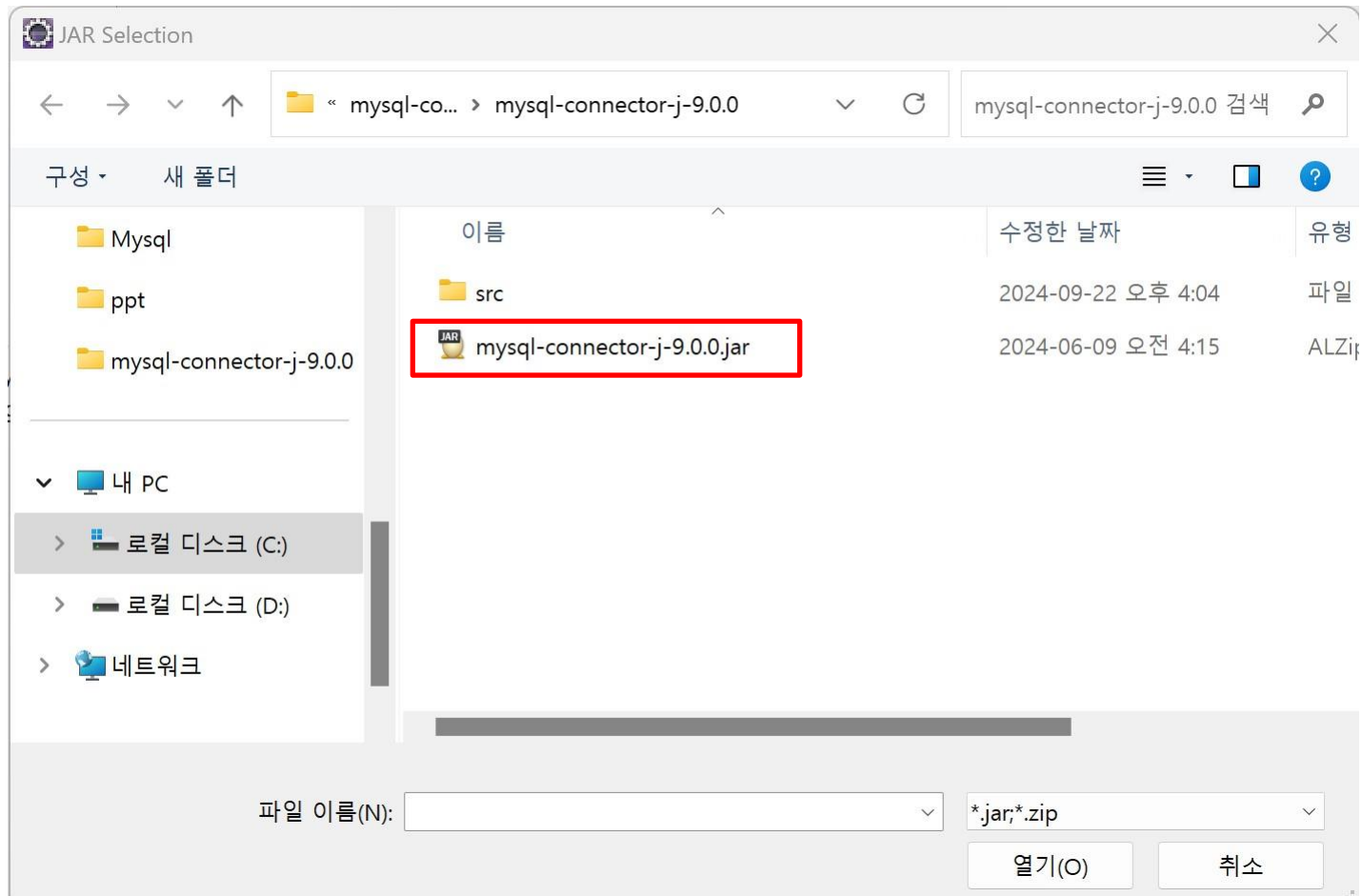
We suggest that you use the [MD5 checksums](#) and [GnuPG signatures](#) to verify the integrity of the packages you download.

# Java Project 설정

- 프로젝트 오른쪽 클릭 -> Properties -> Java Build Path 클릭 -> libraries 탭 선택



# Java Project 설정



# Java Project 설정

Properties for DBTestProject

type filter text

- > Resource
- Builders
- Coverage
- Java Build Path**
- > Java Code Style
- > Java Compiler
  - Javadoc Location
- > Java Editor
  - Project Facets
  - Project Natures
  - Project References
  - Refactoring History
  - Run/Debug Settings
- > Task Repository
  - Task Tags
- > Validation
  - WikiText

### Java Build Path

Source Projects Libraries Order and Export Module Dependencies

JARs and class folders on the build path:

- Modulepath
  - JRE System Library [JavaSE-21]
- Classpath
  - mysql-connector-j-9.0.0.jar - C:\Program Files\Java\mysql-connector-j-9.0.0\mysql-conn

Buttons on the right:

- Add JARs...
- Add External JARs...
- Add Variable...
- Add Library...
- Add Class Folder...
- Add External Class Folder...
- Edit...
- Remove
- Migrate JAR File...

Buttons at the bottom:

- Apply
- Apply and Close**
- Cancel

# JDBC 실행 절차



```
import java.sql.Connection;  
import java.sql.DriverManager;  
import java.sql.ResultSet;  
import java.sql.SQLException;  
import java.sql.Statement;
```

```
import java.sql.Date;  
import java.sql.Time;
```

```
Class.forName(driver);  
Connection conn=DriverManager.getConnection(..);  
Statement stmt=conn.createStatement();  
ResultSet rs=stmt.executeQuery("select ..");  
While(rs.next()){  
...  
}  
rs.close();  
stmt.close();  
conn.close();
```