

Java

- String → StringBuilder
- java.util.Date ↔ java.time.Instant
- java.util.Calendar → java.time.Instant
- java.text.SimpleDateFormat
- java.time
 - Local
 - Zoned
 - Offset
- Collections
 - List; ArrayList, LinkedList
 - Set; HashSet, LinkedHashSet
 - Map; HashMap, LinkedHashMap
- 람다식

(자료형 인수, ...) -> { ... 임의의 처리 ... }

Database

```
import java.sql.*;

...
...
Connection conn = null;
try
{
    Class.forName("DRIVER");
}
catch(ClassNotFoundException e)
{
    e.printStackTrace();
}
try
{
    conn = DriverManager.getConnection("jdbc database", "user", "password");
    Statement stmt = conn.createStatement();
    ResultSet rset = stmt.executeQuery("QUERY");
    while(rset.next())
    {
        // do something
    }
}
catch(SQLException e)
{
```

```
    e.printStackTrace();
}
finally
{
    if(conn != null)
    {
        try
        {
            conn.close();
            conn = null;
        }
        catch(SQLException e)
        {
            e.printStackTrace();
        }
    }
}
...
...
```

- `conn.setAutoCommit(true/false);`
- `conn.commit();`
- `conn.rollback();`
- `PreparedStatement stmt = conn.prepareStatement(".... ?");`
 - `stmt.setString(1, "value");`
- **DAO** Data Access Object
- **DTO** Data Transfer Object
- **JPA** Java Persistence API

File I/O

- `FileReader`
- `BufferedReader`
- `Scanner`
- `Files`
- `CSV, XML, LOGGER`

Tests

- `JUnit`
 - `@Test`
 - `@Before`
 - `@After`
 - `@BeforeClass`
 - `@AfterClass`
 - `@Ignore`
 - `import static org.junit.Assert.*;`

- assertEquals()
 - fail()
 - assertThat()
 - import static org.hamcrest.CoreMatchers.*;
 - is()
- JMockit
 - DbUnit

Reserved Words

- data types
 - byte
 - short
 - int
 - long
 - float
 - double
 - char
 - boolean
 - void
- class & packages
 - class
 - interface
 - enum
 - package
 - import
 - extends
 - implements
 - this
 - super
 - new
- modifiers
 - public
 - protected
 - private
 - static
 - final
 - abstract
 - native
 - volatile
 - transient
 - synchronized
 - strictfp
- operations
 - if
 - else
 - switch
 - case

- default
- for
- while
- do
- break
- continue
- return
- instanceof
- assert

- exceptions
 - try
 - catch
 - finally
 - throw
 - throws

- others
 - const
 - goto

References

- [점프 투 자바](#)
- [\[자바 IDE\] IntelliJ vs Eclipse 비교](#)
- [MyBatis에서 샷\(#{}\)과 달러\(\\${}\)의 차이는 무엇일까?](#)
- [Java Design Patterns](#)
- [Design patterns implemented in Java](#)
- [자바-코드를-조작하는-다양한방법.md](#)

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