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

- JUint
    - @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

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