

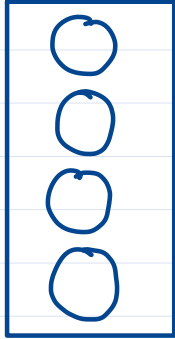


Core Java

Trainer: Nilesh Ghule

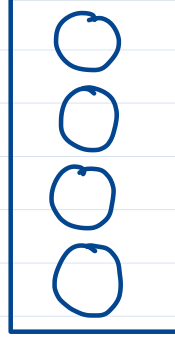


Stream

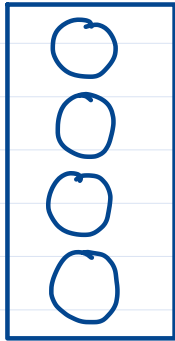


intermediate
operation

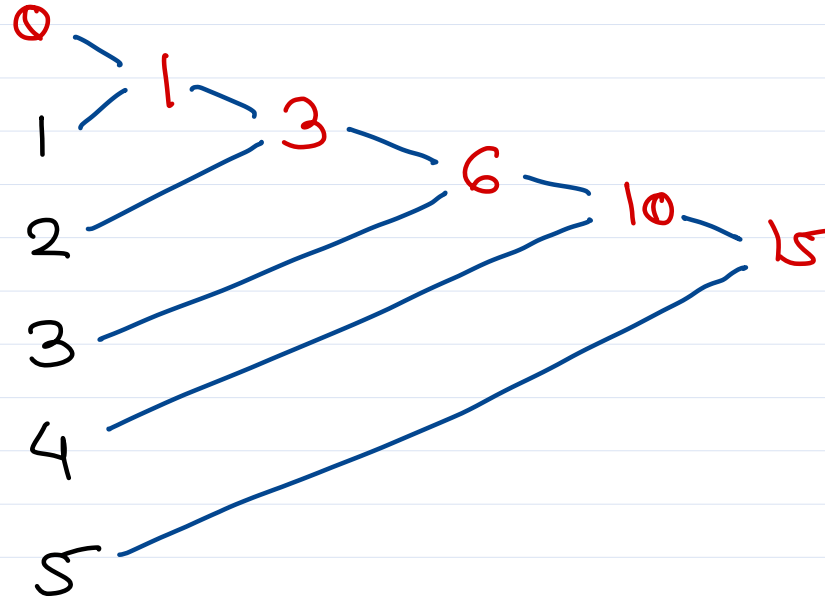
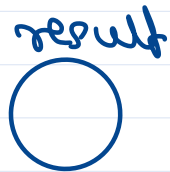
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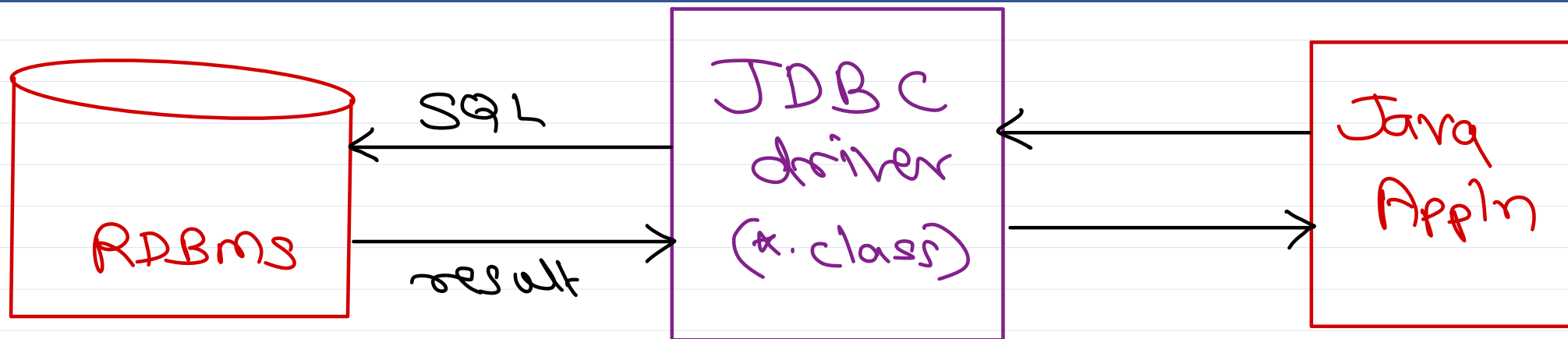


Stream



terminal
operation





JDBC is a specification.
= interfaces + helper
classes. (java.sql).

- ① Driver intf.
 - ② Connection intf.
 - ③ Statement intf.
 - ④ ResultSet intf.
- implemented in
set of
classes.
- JDBC
Driver
(.jar)



url = jdbc:mysql://localhost:3306/db

0. add jdbc driver in project classpath.

1. load and register jdbc Driver class.

```
Class.forName("com.mysql.cj.jdbc.Driver");
```

2. create db Connection using DriverManager.getConnection().

```
Connection con = DriverManager.getConnection(url, user, pass);
```

3. Create Statement for executing SQL query.

```
Statement stmt = con.createStatement();
```

4. Execute the Statement and Process the Result.

```
int  
int = stmt.executeUpdate(sql);  
any sql query other than SELECT.  
ResultSet rs = stmt.executeQuery(sql);  
while (rs.next()) {  
    v1 = rs.getInt("col1");  
    v2 = rs.getString("col2");  
    Sysout (v1 + v2);  
} rs.close();
```

SELECT query

5. Close Statement, Connection.

```
stmt.close(); con.close();
```



Thank you!

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