## Inserts, Updates, and Batch Updates to Records



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```
String sql = "INSERT INTO BOOK (TITLE) VALUES (?)";

try (
   Connection con = getConnection();
   PreparedStatement prepStmt =
con.prepareStatement(sql, Statement.RETURN_GENERATED_KEYS);
)
```

## **Inserting Records**

Insert == Update
Return Generated Keys

```
String sql = "UPDATE BOOK SET TITLE = ? WHERE ID = ?";

try (
    Connection con = getConnection();
    PreparedStatement prepStmt =
con.prepareStatement(sql);
)
```

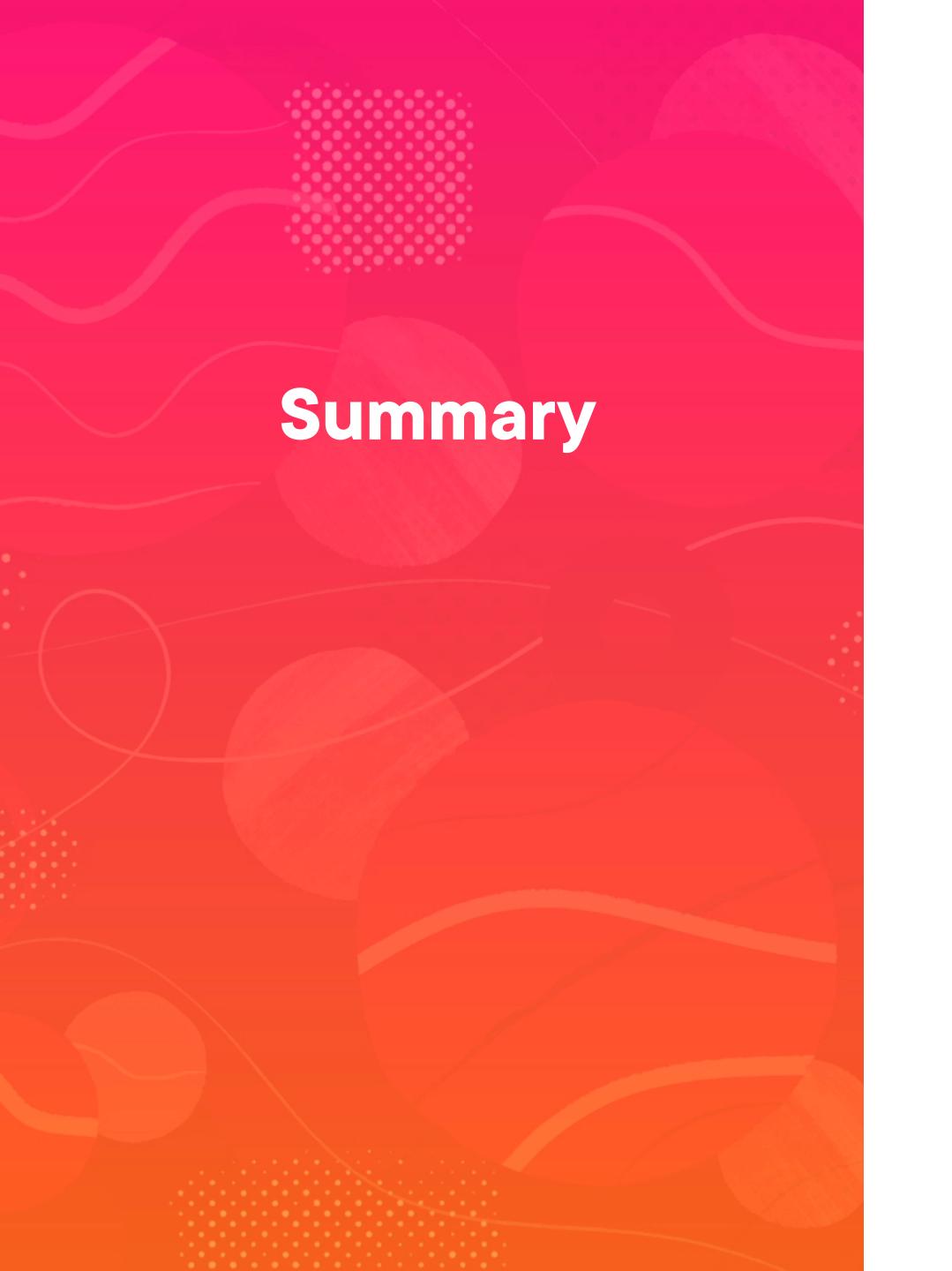
## **Updating Records**

Insert == Update Rows affected

```
for(Book book : books) {
    prepStmt.setString(1, book.getTitle());
    prepStmt.setInt(2, book.getRating());
    prepStmt.setLong(3, book.getId());
    prepStmt.addBatch();
records = prepStmt.executeBatch();
```

## **Batch Updates**

Update Code addBatch



Inserts

**Generated Keys** 

Update

**Batch Update**