**Week 5 Research**

**Prompts**

What is a PreparedStatement? Why is it important?

A PreparedStatement is a pre-compiled SQL statement that allows the creation of queries using parameters instead of coded values. This improves performance because a query that may be used several times is only compiled once. It also prevents SQL injection attacks; where malicious code is entered in place of the expected value.

What method on a PreparedStatement can you use to execute a SELECT query? What method would you use to run an UPDATE query?

The executeQuery method can be used to return a result set generated by a SELECT query. The executeUpdate method can be used to manipulate data within an UPDATE, INSERT, or DELETE query.

Sources:

<https://javarevisited.blogspot.com/2012/03/why-use-preparedstatement-in-java-jdbc.html#axzz6s8McjyuS>

<https://docs.oracle.com/javase/7/docs/api/java/sql/PreparedStatement.html>