

## 1. Missing Database Driver

- a. For the sake of this assignment, I will be citing sources as I couldn't figure out how to run the errors. According to this source (<https://iifx.dev/en/articles/12703614>), one of the two biggest I think would be the cause is (1) missing driver installation, meaning that simply by incorrectly pointing the driver can create this error, and (2) Incorrect database connection string, meaning that incorrectly inputting the wrong name of the data source is.

## 2. Database Unreachable

- a. This could simply mean that the database is not on and is not connected. Or it does not exist.
- b. The error typically would be resolved by simply logging into the SQL server that is needed to be logged in and turn on the database.

## 3. Database Not Authorized

- a. This means that the way that the accessing the database has not been implemented well enough for the database management system to be recognized as verifiable.
- b. The error can be resolved by checking the networking configurations, or if you are a certain user of the database, you should have the administrative user confirm your database access.

## 4. Syntax error in SQL Statement

- a. The syntax error simply means that the developer has mistyped certain keywords or key character.
- b. This can be resolved by quickly fixing the spelling.

## 5. Error Extracting Data from Result Set (bad column name)

- a. This is related to syntax errors, but simply mistyping the name can throw this error. Or the other way around where the column name could be mistyped.
- b. Simply fix the spelling of the column name.

## 6. Error Extracting Data from Result Set (wrong data type)

- a. This is a result of trying to extract a variable that does not match the type of data.
- b. Simply change the data type of either of the source or target in which you are trying to insert to.