Lesson Notes: SQL Databases Intro

# Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1: What does “SQL” stand for?

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2: What is SQL used for?

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3: What is a Database?

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4: How can you compare a database to an Excel spreadsheet?

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5: How are SQL databases distinctly different from other databases?

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6: How are relational databases and flat files different?

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7: What is SQLite3? How is it different from other SQL databases?

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Break 1: What is the most important thing you’ve learned so far?

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8: What is the ‘sqlite3’ npm module?

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9: Using sqlite3 commands, what are callback functions and why are they used?

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10: Which sqlite3 database function should you use to CREATE, UPDATE or INSERT?

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11: Which sqlite3 database method should you use to find only the first matching row in a SELECT query?

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12: Which sqlite3 database method should you use to get an array of all of the matching rows in a SELECT query?

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13: Which sqlite3 database method should you use to perform code ***for each*** of the matching rows in a SELECT query?

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14: Which sqlite3 database method should you use to run a series of sqlite3 database methods *synchronously* (waiting for each query to finish before moving on)?

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15: What is a benefit of serializing several query methods instead of using their callbacks?

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Break 2: What is the most important thing you’ve learned so far?

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Final: How can you apply what you’ve learned in this lesson? Are there are specific problems this lesson has solved for you, and questions you had that this lesson answered?

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