✓ **Congratulations! You passed!**

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Graded Quiz: Test your Project understanding

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1. Which of the following SQL statements demonstrates correct syntax?

   1 / 1 point

   ☐ select emplastname and empfirstname from employee

   ☑ select emplastname, empfirstname from employee

   > ✓ **Correct**
   >
   > Correct! When more than one column is included in a SELECT statement, the columns are separated by a comma

   ☐ select all columns from employee

   ☑ select * from employee

   > ✓ **Correct**
   >
   > Correct! I'ts highly likely that information about students would be found in a college's database.

2. Which of the following SQL ORDER BY statements would sort the rows in the answer by first name within last name. (Last name is the major sort.)   **1 / 1 point**

○ order by major empfirstname, emplastname

◉ order by emplastname, empfirstname

○ sort by emplastname, empfirstname

○ order by empfirstname, emplastname

> ✓ **Correct**
>
> Correct! In the ORDER BY clause, the major sort field is always listed first.

3. SQL is one of many languages that a relational DBMS can use to retrieve data relational databases.   **1 / 1 point**

○ True

◉ False

> ✓ **Correct**
>
> Correct! Structured Query Language (SQL) is the language of relational databases.

4. What is the purpose of the WHERE clause in and SQL retrieval query?   **1 / 1 point**

◉ The WHERE clause is used to limit the number of rows of data returned by a query.

○ The WHERE clause is used to place the columns in a particular order in the output.

○ The WHERE clause is used to specify the table from which the data is being retrieved.

○ The WHERE clause is used to limit the number of columns returned by a query.

5. Which of the following queries demonstrates the correct SQL syntax?　　　　1 / 1 point

⦿ select * from employee

where empDeptID = 200 and empsalary < 200000

◯ select *

where empDeptID = 200

where empsalary < 200000

from employee

◯ select *

where empDeptID = 200 and empsalary < 200000

from employee

◯ select * from employee

where empDeptID = 200 and where empsalary < 200000

6. Which of the following statements best represents a good methodology for query writing?　　　　0 / 1 point

⦿ Begin with the sort order. Then move on to determine the columns needed.

◯ Using an iterative approach, start with what you know, which is usually the

columns required in the output.

○ It's best to develop the entire query according to begin with your best guess. Then move through the code removing anything that doesn't work.

○ Proceed methodically through each table, writing a query that seems to satisfy the request. Then select the best option.

> **!** **Incorrect**
>
> Not quite. Revisit task 6 to review how to add rows of data.

7. What are the benefits of saving an SQL query?   `1 / 1 point`

☑ A saved query can be reused.

> ✓ **Correct**
>
> Correct! Once a query is saved as a file, it can be used over and over again without having to be rewritten every time.

☐ Syntax requirements for saved queries are not as strict.

☑ A saved query can be used by another user in a multi-user database system.

> ✓ **Correct**
>
> Correct! If the query is saved, it can be made available for use by other users and programs.

☐ A saved query can work on any database.