

Oracle Application Development Self-Test

To be eligible to apply for the Oracle Certificate, you should be able to answer all of the questions below. If you cannot answer some or many of these questions, then we require that you enroll in the “Database Fundamentals” course before being considered for the Oracle Certificate.

You do not need to submit the answers to UW Educational Outreach although you do need to return the signed form itself with the rest of your application. The questions are provided to you to help you to assess your own level of knowledge before applying to the Certificate.

1. What is structured query language and how is it used?
2. What is a primary key and a foreign key?
3. Why would you need to join two tables?
4. What is the difference between a one-to-one and a one-to-many relationship? Can you join 2 tables to create a many-to-many relationship?
5. Write a SQL statement which does the following:
 - a. Creates a new table with 3 fields: Firstname, Lastname, PID.
 - b. Make PID the primary key
 - c. Why might this table contain a foreign key?
6. Write an SQL statement for the above table that would find all people with the last name “Sweeney” and sort the results alphabetically by last name & first name.
7. Consider the following tables:

Employees:

Employee_ID	Name
01	Hansen, Ola
02	Svendson, Tove
03	Svendson, Stephen
04	Pettersen, Kari

Orders

Prod_ID	Product	Employee_ID
234	Printer	01
657	Table	03
865	Chair	03

- a. Write a SQL statement that finds the name of employees who have a printer.
 - b. Write a SQL statement that finds anyone named “Svendson” and any products they own.
8. What is the difference between DDL and DML?

(Please check if you agree) I have taken the self-test and am comfortable with the level of SQL in these examples. I understand that I will be expected to know this level of SQL when I start the Oracle Certificate. **Please submit this form with your application.**

Print your full name

Signature