# CMIS563: Oracle SQL for Business Analytics

# Sample Exam Questions

**Multiple choice:** Circle the **BEST** answer that completes or answers the following statements or questions.

1. Which of the following is an accurate representation of the order of various clauses in an SQL query:
   1. Select, From, Where, Group By, Having, Order By.



1. Select, Where, From, Group By, Having, Order By.
2. Select, From, Group By, Where, Having, Order By.
3. Select, From, Where, Order By, Having, Group By.
4. None of the above.
5. When employing the SELECT command in SQL to retrieve data from a database, the keyword FROM is
   1. always required



* 1. sometimes used
  2. never used
  3. used for clarification only

1. The SQL query shown below will yield

SELECT COUNT(\*)

FROM STUDENT;

* 1. all the columns and all the rows in the STUDENT table
  2. the total number of records in the STUDENT table



* 1. a numbered listing of all students in the STUDENT table
  2. an error message

1. If you have the GROUP BY clause then in an SQL (Oracle) query then you must have an aggregate function in the SELECT clause in the query, else the query will not be executed.
   1. True
   2. False

PILOT TABLE

PILOTNO PILOTLNAME PILOTFNAME CITY

| 2314 | SMITH | GEORGE | DALLAS |
| --- | --- | --- | --- |
| 3941 | JONES | KAY | CHICAGO |
| 4839 | ROGERS | JIM | ATLANTA |

PILOTLOG TABLE

PILOT# PLANE# DATE-FLOWN HOURS-FLOWN

| 2314 | 110 | 04/09/19 | 2.5 |
| --- | --- | --- | --- |
| 2314 | 221 | 04/10/19 | 5.8 |
| 3941 | 221 | 08/10/19 | 2.5 |
| 3941 | 110 | 08/06/19 | 2.1 |
| 4839 | 550 | 08/11/19 | 8.5 |
| 4839 | 110 | 04/09/19 | 1.1 |
| 4839 | 110 | 05/09/19 | 1.2 |

AIRCRAFT TABLE

PLANE# TYPE SEATCAPACITY

| 110 | B747 | 310 |
| --- | --- | --- |
| 221 | L1011 | 230 |
| 550 | B767 | 100 |

1. Which SQL statement below will return the pilot's last name, first name, and total number of hours each pilot has flown?
   1. SELECT PILOTLNAME, PILOTFNAME, SUM(HOURSFLOWN) FROM PILOT, PILOT-LOG

WHERE PILOTNO=PILOT#

GROUP BY PILOTLNAME, PILOTFNAME;

* 1. SELECT PILOTLNAME, PILOTFNAME, COUNT(HOURSFLOWN) FROM PILOT, PILOTLOG WHERE

PILOT NO=PILOT #

GROUP BY PILOTLNAME, PILOTFNAME;

* 1. SELECT PILOTLNAME, PILOTFNAME, HOURSFLOWN FROM PILOT, PILOTLOG

WHERE COUNT(HOURS-FLOWN) > 0;

* 1. SELECT PILOTLNAME, PILOTFNAME, SUM(HOURSFLOWN) FROM PILOT, PILOTLOG

WHERE PILOT.PILOTNO=PILOTLOG.PILOT#

GROUP BY PILOT.PILOT-NO;