

Anthony Devitt

ITSS 4300.002

Milestone 5

- 1) This query returns every job applicant who has advanced in the interview process.

The screenshot shows the Oracle Live SQL web interface. The URL in the browser is <https://livesql.oracle.com/apex/f?p=590:1:1282690858057::NO:RP::>. The interface includes a sidebar with navigation options: Home, SQL Worksheet (selected), My Session, Schema, Quick SQL, My Scripts, My Tutorials, and Code Library. The main area is titled "SQL Worksheet" and contains a text editor with the following SQL query:

```
1 select *
2 from applicant
3 where interview_stage = 'ADVANCE';
```

Below the query editor, the results are displayed in a table with 6 columns: APP_ID, POS_APPLIED_FOR, APP_F_NAME, APP_L_NAME, INTERVIEW_STAGE, and JOB_AREA. There are 11 rows of data, all with an interview stage of "ADVANCE".

APP_ID	POS_APPLIED_FOR	APP_F_NAME	APP_L_NAME	INTERVIEW_STAGE	JOB_AREA
342184	D_ANALYST	MICHAEL	SMITH	ADVANCE	T
342216	EXEC_ASST	TERRANCE	ERICSSON	ADVANCE	A
342687	H_DESK	SANDRA	JOHNSON	ADVANCE	T
342826	CLOUD_ENGINEER	WILLIAM	DAVIS	ADVANCE	T
342764	VP_OPERATIONS	ANNE	JACOBS	ADVANCE	S
342392	FIN_ANALYST	LORI	SMITH	ADVANCE	F
342638	IT_DIRECTOR	ALEXANDER	WASHINGTON	ADVANCE	S
342178	EXEC_ASST	KAREN	STUART	ADVANCE	A
342555	D_ANALYST	JOSE	DIAZ	ADVANCE	T
342512	CFO	VICTOR	TRAVIS	ADVANCE	S
342188	OFF_CLERK	AMANDA	WOLF	ADVANCE	A

Below the table, it says "Download CSV" and "11 rows selected." At the bottom of the interface, there is a footer with Oracle and Integrated Cloud logos, copyright information (© 2021 Oracle Corporation), and links to Oracle Learning Library, Ask Tom, Dev Gym, Database Documentation, and Twitter. It also mentions "Live SQL 21.4.1, running Oracle Database 19c Enterprise Edition - 19.8.0.0.0" and "Built with using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine". The system clock at the bottom right shows 8:23 PM on 12/4/2021.

- 2) This query returns who interviewed the applicants that advanced in the process. This query joins the APPLICANT and INTERVIEWER tables and displays the attribute 'interviewer_id' as "The Interviewer". In addition, the query gets the Interview date and renames it as such. The results order are in alphabetical ascending order by the applicants last name.

Live SQL

SQL Worksheet

```
1 select a.app_id, app_f_name, app_l_name, job_area, interviewer_id as "The Interviewer", interview_date as "Interview Date"
2 from applicant a, interviewer i
3 where a.app_id = i.app_id and
4 interview_stage = 'ADVANCE'
5 order by app_l_name asc;
```

APP_ID	APP_F_NAME	APP_L_NAME	JOB_AREA	The Interviewer	Interview Date
342026	WILLIAM	DAVIS	T	T2	05/06/2021
342555	JOSE	DIAZ	T	T1	01/20/2021
342216	TERRANCE	ERICSSON	A	A1	05/26/2021
342764	ANNE	JACOBS	S	S2	08/14/2021
342687	SANDRA	JOHNSON	T	T1	07/03/2020
342104	MICHAEL	SMITH	T	T3	09/14/2020
342392	LORI	SMITH	F	F2	05/10/2021
342178	KAREN	STUART	A	A2	04/12/2021
342512	VICTOR	TRAVIS	S	S3	04/17/2020
342638	ALEXANDER	WASHINGTON	S	S1	08/17/2020
342188	AMANDA	WOLF	A	A3	02/25/2021

Download CSV
11 rows selected.

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- 3) This statement updates the number of tech certifications to 4, and years' experience to 7, for applicant #342555. Apparently, the data was input incorrectly. An update was needed.

Live SQL

SQL Worksheet

```
1 UPDATE TECH
2 SET tech_certs = 4, years_exp = 7
3 WHERE app_id = 342555;
```

1 row(s) updated.

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- 4) This query shows how many different rooms interviewers from the administrative, and senior management, departments used while interviewing applicants. I wanted to know how many times interviewers from these 2 departments have used more than one room to interview. I believe using more than one room is redundant. The query uses GROUP BY and HAVING statements.

The screenshot shows the Oracle Live SQL web interface. The left sidebar contains navigation links: Home, SQL Worksheet (selected), My Session, Schema, Quick SQL, My Scripts, My Tutorials, and Code Library. The main area is titled 'SQL Worksheet' and contains a text editor with the following SQL query:

```
1 select interviewer_id, count(room_num) as "Number of rooms used"
2 from INTERVIEWER
3 where interviewer_id like 'S%' or interviewer_id like 'A%'
4 group by interviewer_id
5 having count(room_num) > 1;
```

Below the query editor, the results are displayed in a table:

INTERVIEWER_ID	Number of rooms used
A1	2
A3	2
S2	2
S3	2

Below the table, it says 'Download CSV' and '4 rows selected.' The footer of the interface includes Oracle and Integrated Cloud logos, copyright information (© 2021 Oracle Corporation), and links to Oracle Learning Library, Ask Tom, Dev Gym, and Database Documentation. It also mentions 'Live SQL 21.4.1, running Oracle Database 19c Enterprise Edition - 19.8.0.0.0' and 'Built with ❤️ using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine'.

- 5) This query returns every applicant who did not interview for a position in the Financial department. The query uses a sub-query to access which applicants did apply for a financial position. It returns all applicants from Tech, Senior Management, and the Administrative departments in order by the applicants last name. In addition, I combined the applicants last and first name to create a new column called "Applicant".

← → ↺

https://livesql.oracle.com/apex/f?p=590:1:1282690858057::NO:RP::

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Live SQL

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Home

SQL Worksheet

My Session

Schema

Quick SQL

My Scripts

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Code Library

SQL Worksheet

Clear Find Actions Save Run

1 select app_1_name || ', ' || app_f_name as "Applicant", app_id, job_area

2 from APPLICANT

3 where app_id not in(select app_id from FINANCIAL)

4 ORDER BY app_1_name;

Applicant	APP_ID	JOB_AREA
ANDERSON, MICHAEL	342009	T
DAVIS, WILLIAM	342026	T
DIAZ, JOSE	342555	T
ERICSSON, TERRANCE	342216	A
JACOBS, ANNIE	342764	S
JOHNSON, SANDRA	342687	T
JOHNSON, NICHOLAS	342902	A
MURPHY, DEBRA	342333	A
SMITH, MICHAEL	342104	T
STEVENSON, BRADLEY	342548	S
STUART, KAREN	342178	A
TRAVIS, VICTOR	342512	S
WASHINGTON, ALEXANDER	342638	S
WOLF, AMANDA	342188	A
YANG, HAROLD	342834	S

Download CSV
15 rows selected.

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