

# EXPERIMENT N0-6

## COMPLEX QUERIES BASED ON HR SCHEMA

### 1: Find mean of employees working in IT department

The screenshot shows the Oracle Live SQL interface. The query entered is: `select FIRST_NAME, LAST_NAME from HR."EMPLOYEES" where DEPARTMENT_ID=( select DEPARTMENT_ID from HR."DEPARTMENTS" where DEPARTMENT_NAME='IT');`. The results show 5 rows selected, displayed in a table:

FIRST_NAME	LAST_NAME
Alexander	Hunold
Bruce	Ernst
David	Austin
Valli	Pataballa
Diana	Lorentz

Below the table, it says "Download CSV" and "5 rows selected." The footer of the interface includes Oracle branding, "Integrated Cloud Applications & Platform Services", and copyright information for 2021 Oracle Corporation.

### 2: Find the department located in tokyo

The screenshot shows the Oracle Live SQL interface. The query entered is: `select DEPARTMENT_NAME from HR."DEPARTMENTS" where LOCATION_ID=(select LOCATION_ID from HR."LOCATIONS" where CITY='Tokyo');`. The results area shows "no data found". The footer of the interface includes Oracle branding, "Integrated Cloud Applications & Platform Services", and copyright information for 2021 Oracle Corporation.

[illegible]

The screenshot shows the Oracle Live SQL web interface. The browser tabs include 'Oracle Live SQL - SQL Works...', 'DEPARTMENTS', 'Oracle Live SQL - Schema', 'EMPLOYEES', and 'JOBS'. The address bar shows the URL 'livesql.oracle.com/apex/?p=590:1:15956028989108:NO:RP:'. The page title is 'Live SQL'. The main content area is titled 'SQL Worksheet' and contains a single SQL query: `1 SELECT FIRST_NAME FROM HR."EMPLOYEES" WHERE FIRST_NAME LIKE 'S%';`. Below the query, the results are displayed in a table with one column, 'FIRST\_NAME', and 15 rows of employee names: Sundar, Shelli, Sarah, Shelley, Steven, Sundita, Steven, Susan, Samuel, Sarath, Stephen, Sigal, and Shanta. The footer includes the Oracle logo, 'Integrated Cloud Applications & Platform Services', and copyright information for 2021. The system tray at the bottom shows the time as 05:17 PM on 28-04-2021.

## 5: find the manager of IT department

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 SELECT MANAGER_ID FROM HR."DEPARTMENTS" WHERE DEPARTMENT_NAME='IT';
```

The result is displayed in a table with one row:

MANAGER_ID
103

Below the table is a "Download CSV" link. The footer of the interface includes the Oracle logo, "Integrated Cloud Applications & Platform Services", and copyright information for 2021 Oracle Corporation. The Windows taskbar at the bottom shows the time as 11:49 AM on 06-05-2021.

## 6: Find the number of employees working in ADMINISTRATION department and have salary greater than 20000

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select count(EMPLOYEE_ID) from HR."EMPLOYEES" where DEPARTMENT_ID=(select DEPARTMENT_ID from HR."DEPARTMENTS" where DEPARTMENT_NAME='Administration') and SA
```

The result is displayed in a table with one row:

COUNT(EMPLOYEE_ID)
0

Below the table is a "Download CSV" link. The footer of the interface includes the Oracle logo, "Integrated Cloud Applications & Platform Services", and copyright information for 2021 Oracle Corporation. The Windows taskbar at the bottom shows the time as 11:51 AM on 06-05-2021.

## 7: Find the maximum salary given for job title programmer

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select max(SALARY) from HR."EMPLOYEES" where JOB_ID=(select JOB_ID from HR."JOBS" where JOB_TITLE='Programmer');
```

The result is displayed in a table:

MAX(SALARY)
9000

Below the table, there is a link to "Download CSV".

The footer of the interface includes the Oracle logo, "Integrated Cloud Applications & Platform Services", and copyright information: "© 2021 Oracle Corporation · Privacy · Terms of Use". It also mentions "Oracle Learning Library · Ask Tom · Dev Gym · Database Documentation · Follow on Twitter" and "Live SQL 21.2.1, running Oracle Database 19c Enterprise Edition - 19.8.0.0.0".

## 8: List all the jobs in ascending order of job id

The screenshot shows the Oracle Live SQL interface. The SQL Worksheet contains the following query:

```
1 select JOB_TITLE from HR."JOBS" order by JOB_ID;
```

The result is displayed in a table:

JOB_TITLE
Public Accountant
Accounting Manager
Administration Assistant
President
Administration Vice President
Accountant

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## 9: Find the maximum salary of each department

The screenshot shows the Oracle Live SQL interface. The query entered is: `select max(SALARY),DEPARTMENT_ID from HR."EMPLOYEES" group by DEPARTMENT_ID;`. The results are displayed in a table with two columns: MAX(SALARY) and DEPARTMENT\_ID.

MAX(SALARY)	DEPARTMENT_ID
8200	50
6500	40
12000	110
24000	90
11000	30
10000	70
7000	-
4400	10

The interface also shows the Oracle logo, Integrated Cloud Applications & Platform Services, and a footer with copyright information and links to Oracle Learning Library, Ask Tom, Dev Gym, and Database Documentation.

## 10: Display all countries in EUROPE region

The screenshot shows the Oracle Live SQL interface. The query entered is: `SELECT COUNTRY_NAME FROM HR."COUNTRIES" WHERE REGION_ID=(SELECT REGION_ID FROM HR."REGIONS" WHERE REGION_NAME='Europe');`. The results are displayed in a table with one column: COUNTRY\_NAME.

COUNTRY_NAME
Belgium
Switzerland
Germany
Denmark
France
Italy
Netherlands
United Kingdom

The interface also shows the Oracle logo, Integrated Cloud Applications & Platform Services, and a footer with copyright information and links to Oracle Learning Library, Ask Tom, Dev Gym, and Database Documentation.

## 11: Find member address, member email, receipt id reserved gym on 10<sup>th</sup> April 2021

The screenshot shows the Oracle Live SQL interface. The query entered is: `SELECT member_address, member_mail, receipt_id FROM Members where member_id=(select member_id from Reservation where facility_name='gym' and today_date='10-APR-21');`. The results table shows one record for a member in Nahur, Mumbai, with email kajal@gmail.com and receipt ID AHFCRN011.

MEMBER_ADDRESS	MEMBER_MAIL	RECEIPT_ID
nahur,Mumbai	kajal@gmail.com	AHFCRN011

Download CSV

Oracle Live SQL - SQL Worksheet

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Live SQL 21.2.1, running Oracle Database 19c Enterprise Edition - 19.8.0.0.0  
Built with ♥ using Oracle APEX running on Oracle Cloud Infrastructure and Oracle Kubernetes Engine

## 12: Find the status of common pool on

The screenshot shows the Oracle Live SQL interface. The query entered is: `SELECT status FROM Reservation WHERE today_date = TO_DATE('2021/05/20', 'yyyy/mm/dd') AND facility_name = 'Common Pool1';`. The results table shows one record with the status 'active'.

STATUS
active

Download CSV

Oracle Live SQL - SQL Worksheet