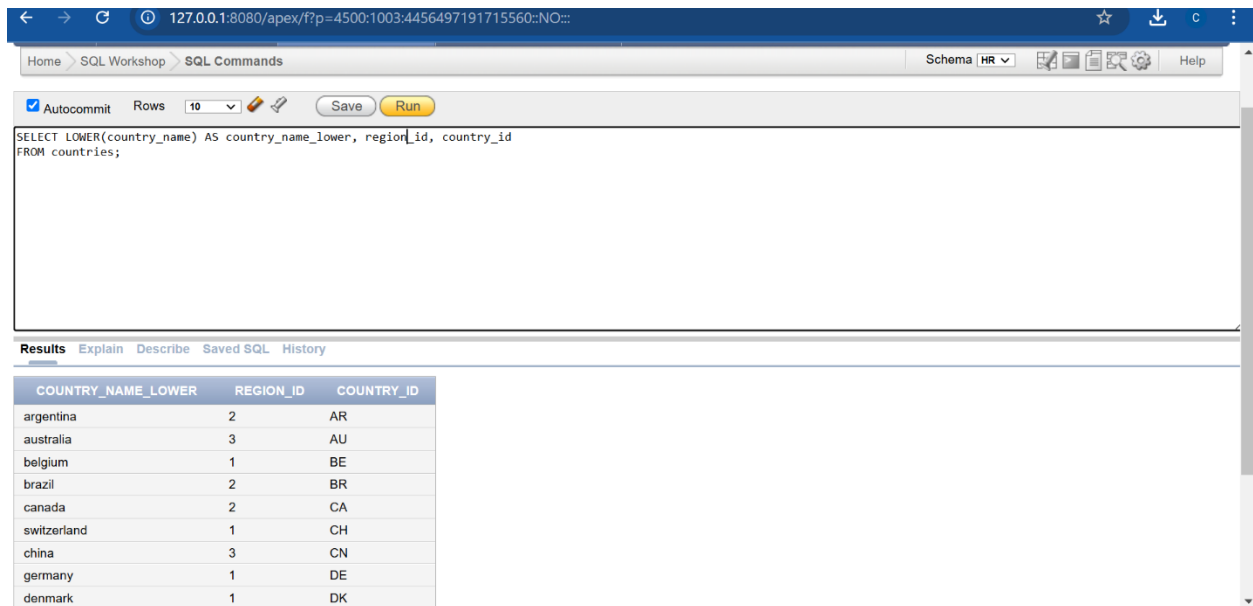


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### LAB TASK 03 :

➤ Write a query to convert country names to lowercase and display country details.



The screenshot shows the Oracle SQL Workshop interface. The top navigation bar includes 'Home', 'SQL Workshop', and 'SQL Commands'. The 'Schema' dropdown is set to 'HR'. The 'Autocommit' checkbox is checked, and the 'Rows' limit is set to 10. The 'Save' and 'Run' buttons are visible. The SQL command entered is:

```
SELECT LOWER(country_name) AS country_name_lower, region_id, country_id
FROM countries;
```

The results are displayed in a table with the following columns: COUNTRY\_NAME\_LOWER, REGION\_ID, and COUNTRY\_ID. The results are as follows:

COUNTRY_NAME_LOWER	REGION_ID	COUNTRY_ID
argentina	2	AR
australia	3	AU
belgium	1	BE
brazil	2	BR
canada	2	CA
switzerland	1	CH
china	3	CN
germany	1	DE
denmark	1	DK

Write a query to convert employee first and last names to uppercase and filter employees whose salary is between 6000 and 12000.

Home > SQL Workshop > SQL Commands

Autocommit Rows: 10 Save Run

```

SELECT
  UPPER(first_name) as first_name,
  UPPER(last_name) as last_name,
  salary
FROM
  employees
WHERE
  salary BETWEEN 6000 AND 12000;

```

Results Explain Describe Saved SQL History

FIRST_NAME	LAST_NAME	SALARY
ALEXANDER	HUNOLD	9000
BRUCE	ERNST	6000
DANIEL	FAVIET	9000
JOHN	CHEN	8200
ISMAEL	SCIARRA	7700
JOSE MANUEL	URMAN	7800
LUIS	POPP	6900
DEN	RAPHAELY	11000
MATTHEW	WEISS	8000

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Write a query to calculate the remainder when an employee's salary is divided by their commission percentage for employees with the job ID 'SA\_REP'.

127.0.0.1:8080/apex/f?p=4500:1003:4456497191715560::NO::

Autocommit Rows: 10 Save Run

```

SELECT employee_id, first_name, last_name, salary, commission_pct,
MOD(salary, commission_pct) AS remainder
FROM employees
WHERE job_id = 'SA_REP' AND commission_pct > 0;

```

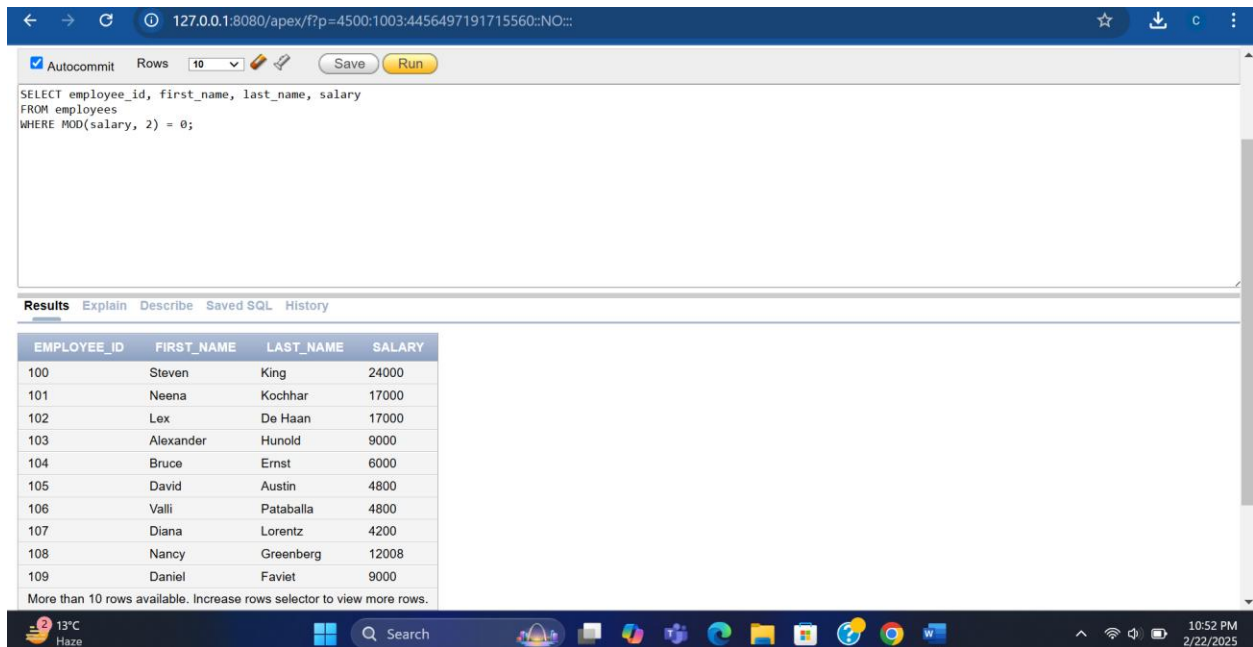
Results Explain Describe Saved SQL History

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	SALARY	COMMISSION_PCT	REMAINDER
150	Peter	Tucker	10000	.3	.1
151	David	Bernstein	9500	.25	0
152	Peter	Hall	9000	.25	0
153	Christopher	Olsen	8000	.2	0
154	Nanette	Cambrault	7500	.2	0
155	Oliver	Tuvault	7000	.15	.1
156	Janette	King	10000	.35	.15
157	Patrick	Sully	9500	.35	.3
158	Allan	McEwen	9000	.35	.1
159	Lindsey	Smith	8000	.3	.2

More than 10 rows available. Increase rows selector to view more rows.

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Write a query to retrieve employees whose salaries are even numbers using the MOD function.



The screenshot shows the Oracle SQL Developer interface. The top toolbar includes buttons for Autocommit, Rows (set to 10), Save, and Run. The SQL editor contains the following query:

```
SELECT employee_id, first_name, last_name, salary
FROM employees
WHERE MOD(salary, 2) = 0;
```

Below the editor, the 'Results' tab is active, displaying a table with the following data:

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	SALARY
100	Steven	King	24000
101	Neena	Kochhar	17000
102	Lex	De Haan	17000
103	Alexander	Hunold	9000
104	Bruce	Ernst	6000
105	David	Austin	4800
106	Valli	Pataballa	4800
107	Diana	Lorentz	4200
108	Nancy	Greenberg	12008
109	Daniel	Faviet	9000

At the bottom of the results pane, it states: "More than 10 rows available. Increase rows selector to view more rows."

Write a query to calculate the number of months an employee has worked using the ROUND and MONTHS\_BETWEEN functions.

127.0.0.1:8080/apex/f?p=4500:1003:4456497191715560::NO::

Autocommit Rows 10 Save Run

```
SELECT employee_id, first_name, last_name, hire_date,
ROUND(MONTHS_BETWEEN(SYSDATE, hire_date)) AS months_worked
FROM employees;
```

Results Explain Describe Saved SQL History

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	HIRE_DATE	MONTHS_WORKED
100	Steven	King	06/17/2003	260
101	Neena	Kochhar	09/21/2005	233
102	Lex	De Haan	01/13/2001	289
103	Alexander	Hunold	01/03/2006	230
104	Bruce	Ernst	05/21/2007	213
105	David	Austin	06/25/2005	236
106	Valli	Pataballa	02/05/2006	229
107	Diana	Lorentz	02/07/2007	217
108	Nancy	Greenberg	08/17/2002	270
109	Daniel	Faviet	08/16/2002	270

More than 10 rows available. Increase rows selector to view more rows.

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➤ Write a query to display employee names and replace NULL commission percentages with 99 using the NVL function.

127.0.0.1:8080/apex/f?p=4500:1003:4456497191715560::NO::

Autocommit Rows 10 Save Run

```
SELECT first_name, last_name,
NVL(commission_pct, 99) AS commission_percentage
FROM employees;
```

Results Explain Describe Saved SQL History

FIRST_NAME	LAST_NAME	COMMISSION_PERCENTAGE
Steven	King	99
Neena	Kochhar	99
Lex	De Haan	99
Alexander	Hunold	99
Bruce	Ernst	99
David	Austin	99
Valli	Pataballa	99
Diana	Lorentz	99
Nancy	Greenberg	99
Daniel	Faviet	99

More than 10 rows available. Increase rows selector to view more rows.

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