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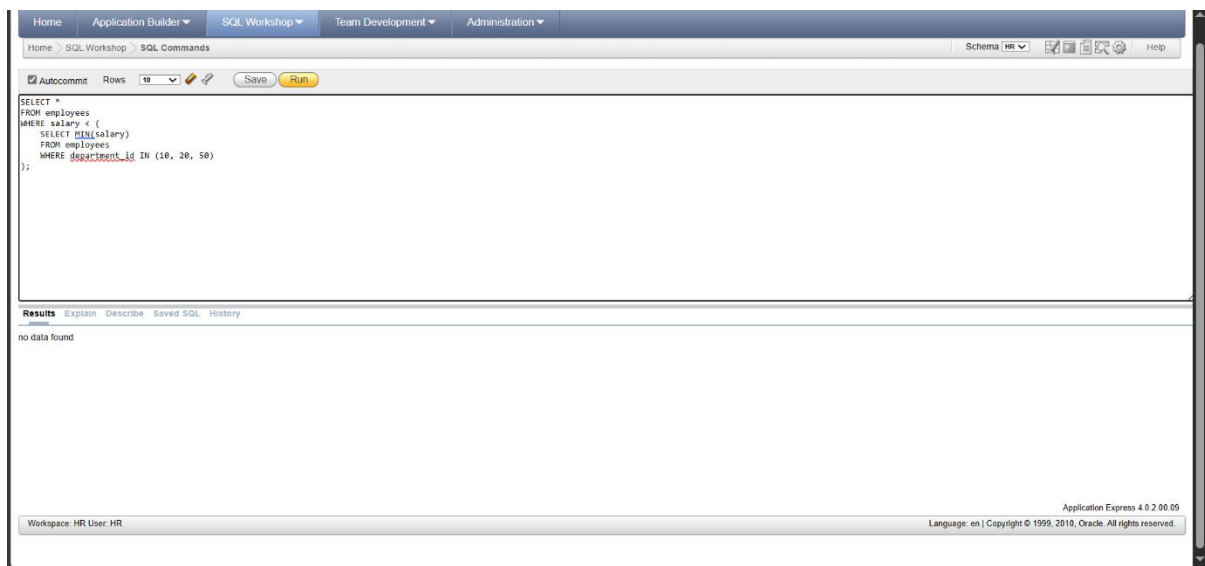
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## Lab Task 05

### Question 1:

```
SELECT *  
FROM employees  
WHERE salary < (  
    SELECT MIN(salary)  
    FROM employees  
    WHERE department_id IN (10, 20, 50)  
);
```

### Output:



### Question 2:

```
SELECT e.last_name, d.department_name, e.job_id  
FROM employees e
```

JOIN departments d ON e.department\_id = d.department\_id

JOIN locations l ON d.location\_id = l.location\_id

WHERE l.location\_id = 1700;

## Output:

The screenshot shows the SQL Workshop interface with the following SQL query:

```
SELECT e.last_name, d.department_name, e.job_id
FROM employees e
JOIN departments d ON e.department_id = d.department_id
JOIN locations l ON d.location_id = l.location_id
WHERE l.location_id = 1700;
```

The results are displayed in a table with the following data:

LAST_NAME	DEPARTMENT_NAME	JOB_ID
King	Executive	AD_PRES
Kochhar	Executive	AD_VP
De Haan	Executive	AD_VP
Greenberg	Finance	FI_MGR
Faviet	Finance	FI_ACCOUNT
Chen	Finance	FI_ACCOUNT
Sciarra	Finance	FI_ACCOUNT
Urman	Finance	FI_ACCOUNT
Popp	Finance	FI_ACCOUNT
Raphaely	Purchasing	PU_MAN

More than 10 rows available. Increase rows selector to view more rows.  
10 rows returned in 0.00 seconds [Download](#)

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## Question 3:

SELECT job\_id, job\_title

FROM jobs

WHERE max\_salary > (

SELECT max\_salary

FROM jobs

WHERE job\_id = 'ST\_MAN'

);

## Output:

Home Application Builder SQL Workshop Team Development Administration

Home > SQL Workshop > SQL Commands Schema HR Help

Autocommit Rows 10 Save Run

```

SELECT job_id, job_title
FROM jobs
WHERE max_salary > (
  SELECT max_salary
  FROM jobs
  WHERE job_id = 'ST_MAN'
);

```

Results Explain Describe Saved SQL History

JOB_ID	JOB_TITLE
AD_PRES	President
AD_VP	Administration Vice President
FI_MGR	Finance Manager
FI_ACCOUNT	Accountant
AC_MGR	Accounting Manager
AC_ACCOUNT	Public Accountant
SA_MAN	Sales Manager
SA_REP	Sales Representative
PU_MAN	Purchasing Manager
IT_PROG	Programmer

More than 10 rows available. Increase rows selector to view more rows.  
10 rows returned in 0.00 seconds Download

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## Question 4:

SELECT employee\_id, first\_name, salary

FROM employees

WHERE salary > (SELECT AVG(salary) FROM employees)

ORDER BY salary ASC;

## Output:

Home Application Builder SQL Workshop Team Development Administration

Home > SQL Workshop > SQL Commands Schema HR Help

Autocommit Rows 10 Save Run

```

SELECT employee_id, first_name, salary
FROM employees
WHERE salary > (SELECT avg(salary) FROM employees)
ORDER BY salary ASC;

```

Results Explain Describe Saved SQL History

EMPLOYEE_ID	FIRST_NAME	SALARY
203	Susan	6500
123	Shanta	6500
165	David	6800
113	Luis	6900
155	Oliver	7000
161	Sarah	7000
178	Kimberely	7000
164	Mattea	7200
172	Elizabeth	7300
171	William	7400

More than 10 rows available. Increase rows selector to view more rows.  
10 rows returned in 0.00 seconds Download

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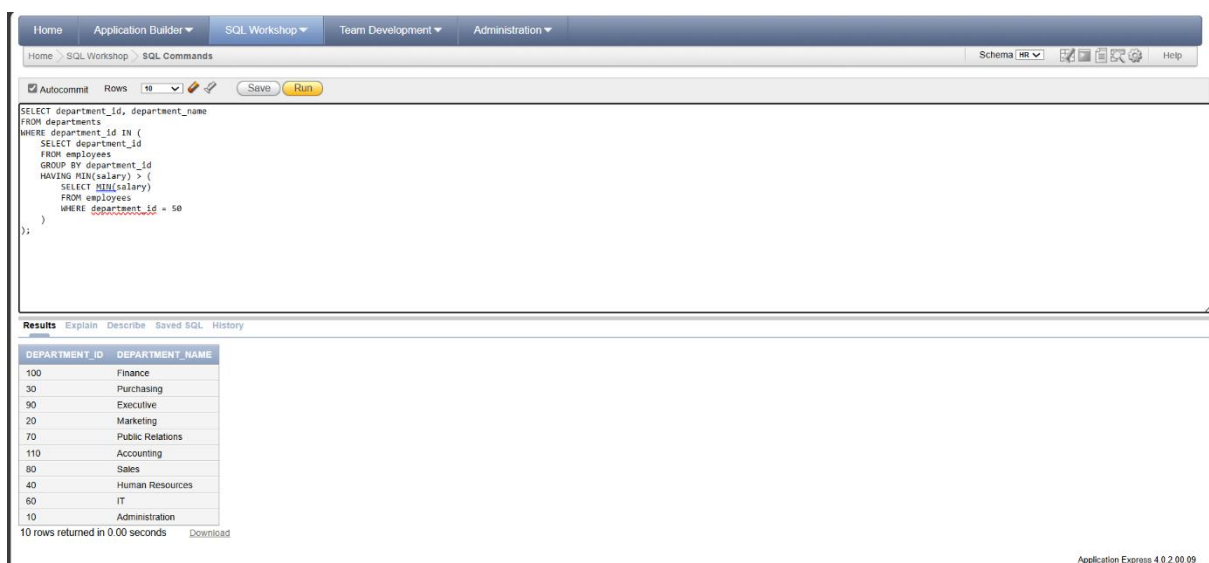
## Question 5:

```

SELECT department_id, department_name
FROM departments
WHERE department_id IN (
    SELECT department_id
    FROM employees
    GROUP BY department_id
    HAVING MIN(salary) > (
        SELECT MIN(salary)
        FROM employees
        WHERE department_id = 50
    )
);

```

## Output:



The screenshot shows the SQL Workshop interface with the following components:

- Navigation Bar:** Home, Application Builder, SQL Workshop (selected), Team Development, Administration.
- Breadcrumbs:** Home > SQL Workshop > SQL Commands.
- Schema:** HR.
- Autocommit:** Checked.
- Rows:** 10.
- Buttons:** Save, Run.
- SQL Command:**

```

SELECT department_id, department_name
FROM departments
WHERE department_id IN (
    SELECT department_id
    FROM employees
    GROUP BY department_id
    HAVING MIN(salary) > (
        SELECT MIN(salary)
        FROM employees
        WHERE department_id = 50
    )
);

```
- Results:**

DEPARTMENT_ID	DEPARTMENT_NAME
100	Finance
30	Purchasing
90	Executive
20	Marketing
70	Public Relations
110	Accounting
80	Sales
40	Human Resources
60	IT
10	Administration

10 rows returned in 0.00 seconds
- Footer:** Application Express 4.0.2.00.09