53530 Arbaz Khalid

Lab task:

Q1:

AND:

1)

```
☑ Autocommit   Rows  10  ▼  🖊 🖋      Save   Run

select LOCATION_ID, STREET_ADDRESS, CITY from locations where city = 'toronto' and COUNTRY_ID = 'ca';
```

Results Explain Describe Saved SQL History

no data found

2)

```
☑ Autocommit   Rows  10  ▼  🖊 🖋      Save   Run

select DEPARTMENT_ID, DEPARTMENT_NAME from departments where MANAGER_ID = 201 and LOCATION_ID = 1800;
```

Results Explain Describe Saved SQL History

DEPARTMENT_ID	DEPARTMENT_NAME
20	Marketing

1 rows returned in 0.01 seconds   Download

3)

```
select EMPLOYEE_ID, JOB_ID, HIRE_DATE from employees where HIRE_DATE<'01-01-2020'and DEPARTMENT_ID = 50;
```

Results Explain Describe Saved SQL History

EMPLOYEE_ID	JOB_ID	HIRE_DATE
120	ST_MAN	07/18/2004
121	ST_MAN	04/10/2005
122	ST_MAN	05/01/2003
123	ST_MAN	10/10/2005
124	ST_MAN	11/16/2007
125	ST_CLERK	07/16/2005
126	ST_CLERK	09/28/2006
127	ST_CLERK	01/14/2007
128	ST_CLERK	03/08/2008
129	ST_CLERK	08/20/2005

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

OR:

1)

```
SELECT employee_id, first_name, last_name, job_id FROM employees WHERE job_id = 'IT_PROG' OR job_id = 'SA_REP';
```

Results Explain Describe Saved SQL History

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	JOB_ID
103	Alexander	Hunold	IT_PROG
104	Bruce	Ernst	IT_PROG
105	David	Austin	IT_PROG
106	Valli	Pataballa	IT_PROG
107	Diana	Lorentz	IT_PROG
150	Peter	Tucker	SA_REP
151	David	Bernstein	SA_REP
152	Peter	Hall	SA_REP
153	Christopher	Olsen	SA_REP
154	Nanette	Cambrault	SA_REP

2)

```
SELECT employee_id, first_name, salary FROM employees WHERE salary < 3000 OR salary > 15000;
```

Results Explain Describe Saved SQL History

EMPLOYEE_ID	FIRST_NAME	SALARY
100	Steven	24000
101	Neena	17000
102	Lex	17000
116	Shelli	2900
117	Sigal	2800
118	Guy	2600
119	Karen	2500
126	Irene	2700
127	James	2400
128	Steven	2200

3)

```
SELECT department_id, department_name FROM departments WHERE location_id = 1700 OR location_id = 1800;
```

Results Explain Describe Saved SQL History

DEPARTMENT_ID	DEPARTMENT_NAME
10	Administration
30	Purchasing
90	Executive
100	Finance
110	Accounting
120	Treasury
130	Corporate Tax
140	Control And Credit
150	Shareholder Services
160	Benefits

4)

```
SELECT job_id, job_title, max_salary FROM jobs WHERE max_salary = 25000 OR max_salary = 40000;
```

Results Explain Describe Saved SQL History

JOB_ID	JOB_TITLE	MAX_SALARY
AD_PRES	President	40000

1 rows returned in 0.00 seconds   Download

5)

```
SELECT employee_id, first_name, last_name, department_id FROM employees WHERE department_id = 30 OR department_id = 50;
```

Results Explain Describe Saved SQL History

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	DEPARTMENT_ID
114	Den	Raphaely	30
115	Alexander	Khoo	30
116	Shelli	Baida	30
117	Sigal	Tobias	30
118	Guy	Himuro	30
119	Karen	Colmenares	30
120	Matthew	Weiss	50
121	Adam	Fripp	50
122	Payam	Kaufling	50
123	Shanta	Vollman	50

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

NOT:

1)

```
select location_id, city, country_id from locations where country_id <> 'US';
```

Results   Explain   Describe   Saved SQL   History

LOCATION_ID	CITY	COUNTRY_ID
1000	Roma	IT
1100	Venice	IT
1200	Tokyo	JP
1300	Hiroshima	JP
1800	Toronto	CA
1900	Whitehorse	CA
2000	Beijing	CN
2100	Bombay	IN
2200	Sydney	AU
2300	Singapore	SG

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

2)

```
select employee_id, salary from employees where department_id not in(50,80);
```

Results   Explain   Describe   Saved SQL   History

EMPLOYEE_ID	SALARY
100	24000
101	17000
102	17000
103	9000
104	6000
105	4800
106	4800
107	4200
108	12008
109	9000

Order by:

1)

```
select employee_id, first_name, department_id, salary from employees order by department_id asc, salary desc;
```

Results   Explain   Describe   Saved SQL   History

EMPLOYEE_ID	SALARY
100	24000
101	17000
102	17000
103	9000
104	6000
105	4800
106	4800
107	4200
108	12008
109	9000

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

2)

```
select department_id, department_name from departments order by department_name asc;
```

Results   Explain   Describe   Saved SQL   History

DEPARTMENT_ID	DEPARTMENT_NAME
110	Accounting
10	Administration
160	Benefits
180	Construction
190	Contracting
140	Control And Credit
130	Corporate Tax
90	Executive
100	Finance
240	Government Sales

Functions:

```
select first_name || ' ' || job_id as employee_info, length(first_name) as name_length, instr(first_name, 'A') as position_of_a from employees where department_id = 110;
```

Results   Explain   Describe   Saved SQL   History

EMPLOYEE_INFO	NAME_LENGTH	POSITION_OF_A
Shelley AC_MGR	7	0
William AC_ACCOUNT	7	0

Q2:

```
select lpad(first_name || ' ' || last_name, 30) as full_name from employees where first_name like '%a%' and salary in (6000, 8400, 8600, 6100);
```

Results Explain Describe Saved SQL History

FULL_NAME
Sundita Kumar
Jonathon Taylor
Jack Livingston
Pat Fay