1. Write a query to display the name (first_name, last_name) and salary for all employees whose salary is not in the range $10,000 through $15,000.

SELECT FIRST_NAME , LAST_NAME , SALARY FROM employees WHERE SALARY NOT BETWEEN 10000 AND 15000 ;

				FIRST_NAME	LAST_NAME	SALARY
☐	Edit	Copy	Delete	Steven	King	24000.00
☐	Edit	Copy	Delete	Neena	Kochhar	17000.00
☐	Edit	Copy	Delete	Lex	De Haan	17000.00
☐	Edit	Copy	Delete	Alexander	Hunold	9000.00
☐	Edit	Copy	Delete	Bruce	Ernst	6000.00
☐	Edit	Copy	Delete	David	Austin	4800.00
☐	Edit	Copy	Delete	Valli	Pataballa	4800.00
☐	Edit	Copy	Delete	Diana	Lorentz	4200.00
☐	Edit	Copy	Delete	Daniel	Faviet	9000.00
☐	Edit	Copy	Delete	John	Chen	8200.00
☐	Edit	Copy	Delete	Ismael	Sciarra	7700.00

2. Write a query to display the name (first_name, last_name) and department ID of all employees in departments 30 or 100 in ascending order.

SELECT first_name, last_name, department_id FROM employees WHERE department_id IN (30, 100) ORDER BY department_id ASC;

				first_name	last_name	department_id ▲ 1
☐	Edit	Copy	Delete	Den	Raphaely	30
☐	Edit	Copy	Delete	Alexander	Khoo	30
☐	Edit	Copy	Delete	Shelli	Baida	30
☐	Edit	Copy	Delete	Sigal	Tobias	30
☐	Edit	Copy	Delete	Guy	Himuro	30
☐	Edit	Copy	Delete	Karen	Colmenares	30

3. Write a query to display the name (first_name, last_name) and salary for all employees whose salary is not in the range $10,000 through $15,000 and are in department 30 or 100.

SELECT first_name, last_name, salary, department_id FROM employees WHERE salary NOT BETWEEN 10000 AND 15000 AND department_id IN (30, 100);

				first_name	last_name	salary	department_id
☐	Edit	Copy	Delete	Alexander	Khoo	3100.00	30
☐	Edit	Copy	Delete	Shelli	Baida	2900.00	30
☐	Edit	Copy	Delete	Sigal	Tobias	2800.00	30
☐	Edit	Copy	Delete	Guy	Himuro	2600.00	30
☐	Edit	Copy	Delete	Karen	Colmenares	2500.00	30
☐	Edit	Copy	Delete	Daniel	Faviet	9000.00	100
☐	Edit	Copy	Delete	John	Chen	8200.00	100
☐	Edit	Copy	Delete	Ismael	Sciarra	7700.00	100

4. Write a query to display the name (first_name, last_name) and hire date for all employees who were hired in 1987.

SELECT first_name, last_name, hire_date FROM employees WHERE YEAR(hire_date) LIKE '1987%';

		first_name	last_name	hire_date
☐ 🖉 Edit ⁂ Copy ⊖ Delete		Steven	King	1987-06-17
☐ 🖉 Edit ⁂ Copy ⊖ Delete		Neena	Kochhar	1987-06-18
☐ 🖉 Edit ⁂ Copy ⊖ Delete		Lex	De Haan	1987-06-19
☐ 🖉 Edit ⁂ Copy ⊖ Delete		Alexander	Hunold	1987-06-20
☐ 🖉 Edit ⁂ Copy ⊖ Delete		Bruce	Ernst	1987-06-21
☐ 🖉 Edit ⁂ Copy ⊖ Delete		David	Austin	1987-06-22
☐ 🖉 Edit ⁂ Copy ⊖ Delete		Valli	Pataballa	1987-06-23

5. Write a query to display the first_name of all employees who have both "b" and "c" in their first name.

SELECT FIRST_NAME FROM employees WHERE FIRST_NAME LIKE '%b%' AND FIRST_NAME LIKE '%c%;

		FIRST_NAME
☐ 🖉 Edit ⁂ Copy ⊖ Delete		Bruce

6. Write a query to display the last name, job, and salary for all employees whose job is that of a Programmer or a Shipping Clerk, and whose salary is not equal to $4,500, $10,000, or $15,000.

SELECT last_name, job_id, salary FROM employees WHERE job_id IN ('IT_PROG', 'SH_CLERK') AND salary NOT IN (4500, 10000, 15000);

		last_name	job_id	salary
☐ 🖉 Edit ⁂ Copy ⊖ Delete		Hunold	IT_PROG	9000.00
☐ 🖉 Edit ⁂ Copy ⊖ Delete		Ernst	IT_PROG	6000.00
☐ 🖉 Edit ⁂ Copy ⊖ Delete		Austin	IT_PROG	4800.00
☐ 🖉 Edit ⁂ Copy ⊖ Delete		Pataballa	IT_PROG	4800.00
☐ 🖉 Edit ⁂ Copy ⊖ Delete		Lorentz	IT_PROG	4200.00
☐ 🖉 Edit ⁂ Copy ⊖ Delete		Taylor	SH_CLERK	3200.00
☐ 🖉 Edit ⁂ Copy ⊖ Delete		Fleaur	SH_CLERK	3100.00

7. Write a query to display the last name of employees whose names have exactly 6 characters.

SELECT last_name FROM employees WHERE LAST_NAME LIKE '_____';

				last_name
☐	✎ Edit	Copy	⊖ Delete	Austin
☐	✎ Edit	Copy	⊖ Delete	Bissot
☐	✎ Edit	Copy	⊖ Delete	Cabrio
☐	✎ Edit	Copy	⊖ Delete	Davies
☐	✎ Edit	Copy	⊖ Delete	Faviet
☐	✎ Edit	Copy	⊖ Delete	Feeney
☐	✎ Edit	Copy	⊖ Delete	Fleaur

8. Write a query to display the last name of employees having 'e' as the third character.

SELECT last_name FROM employees WHERE LAST_NAME LIKE '__e%';

				last_name
☐	✎ Edit	Copy	⊖ Delete	Abel
☐	✎ Edit	Copy	⊖ Delete	Baer
☐	✎ Edit	Copy	⊖ Delete	Chen
☐	✎ Edit	Copy	⊖ Delete	Everett
☐	✎ Edit	Copy	⊖ Delete	Feeney
☐	✎ Edit	Copy	⊖ Delete	Fleaur

9. Write a query to display the jobs/designations available in the employees table.

SELECT DISTINCT JOB_ID FROM employees;

				JOB_ID
☐	✎ Edit	Copy	⊖ Delete	AC_ACCOUNT
☐	✎ Edit	Copy	⊖ Delete	AC_MGR
☐	✎ Edit	Copy	⊖ Delete	AD_ASST
☐	✎ Edit	Copy	⊖ Delete	AD_PRES
☐	✎ Edit	Copy	⊖ Delete	AD_VP
☐	✎ Edit	Copy	⊖ Delete	FI_ACCOUNT
☐	✎ Edit	Copy	⊖ Delete	FI_MGR

10. Write a query to display the name (first_name, last_name), salary and PF (15% of salary) of all employees.

SELECT first_name, last_name, salary, salary * 0.15 AS PF FROM employees;

←T→					first_name	last_name	salary	PF
☐	🖉 Edit	⧉ Copy	⊖ Delete	Steven	King		24000.00	3600.0000
☐	🖉 Edit	⧉ Copy	⊖ Delete	Neena	Kochhar		17000.00	2550.0000
☐	🖉 Edit	⧉ Copy	⊖ Delete	Lex	De Haan		17000.00	2550.0000
☐	🖉 Edit	⧉ Copy	⊖ Delete	Alexander	Hunold		9000.00	1350.0000
☐	🖉 Edit	⧉ Copy	⊖ Delete	Bruce	Ernst		6000.00	900.0000
☐	🖉 Edit	⧉ Copy	⊖ Delete	David	Austin		4800.00	720.0000
☐	🖉 Edit	⧉ Copy	⊖ Delete	Valli	Pataballa		4800.00	720.0000
☐	🖉 Edit	⧉ Copy	⊖ Delete	Diana	Lorentz		4200.00	630.0000

11. Write a query to select all record from employees where last name in 'BLAKE', 'SCOTT', 'KING' and 'FORD'.

SELECT * FROM employees WHERE last_name IN ('JONES', 'BLAKE', 'SCOTT', 'KING', 'FORD');

←T→				EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT
☐	🖉 Edit	⧉ Copy	⊖ Delete	195	Vance	Jones	VJONES	650.501.4876	1987-09-20	SH_CLERK	2800.00	0.00
☐	🖉 Edit	⧉ Copy	⊖ Delete	156	Janette	King	JKING	011.44.1345.429268	1987-08-12	SA_REP	10000.00	0.35
☐	🖉 Edit	⧉ Copy	⊖ Delete	100	Steven	King	SKING	515.123.4567	1987-06-17	AD_PRES	24000.00	0.00