

9.7 DB browser solution and Screenshots of tables with data contained in it

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Check the solution by using the DB browser.

Query 1 - Find the doctor who has been working for 10 years

```
1  SELECT staff_id, name, working_years
2  FROM doctors
3  WHERE working_years = '10'
```

	staff_id	name	working_years
1	1	Brown	10
2	4	Annie	10

Execution finished without errors.
Result: 2 rows returned in 11ms
At line 1:
SELECT staff_id, name, working_years
FROM doctors
WHERE working_years = '10'

Query 2 - Find the doctor who has been working for longest years in each department and make the descending order by years.

```
1  SELECT hospital.staff_id, name, working_years, department
2  FROM hospital
3  NATURAL JOIN doctors
4  GROUP BY department
5  HAVING max(working_years)
6  ORDER BY working_years DESC
```

	staff_id	name	working_years	department
1	5	Hayate	30	Heart
2	2	John	20	Endocrine
3	3	Mike	15	Psychology
4	1	Brown	10	Digestive
5	4	Annie	10	Brain

Execution finished without errors.
Result: 5 rows returned in 9ms
At line 1:
SELECT hospital.staff_id, name, working_years, department
FROM hospital
NATURAL JOIN doctors
GROUP BY department
HAVING max(working_years)
ORDER BY working_years DESC

Query 3 - Find the patients who have the age over 60, descendent ordered by age.

1	SELECT patient_id, patient_name, age
2	FROM patients
3	WHERE age > 60
4	ORDER BY age DESC

	patient_id	patient_name	age
1	705	Kelly	77
2	704	Maloc	70
3	703	Tulen	65

Execution finished without errors.
Result: 3 rows returned in 14ms
At line 1:
SELECT patient_id, patient_name, age
FROM patients
WHERE age > 60
ORDER BY age DESC

Query 4 - Find the patients who have taken covid test age and the result is positive.

1	SELECT patient_id, patient_name, test_name, result
2	FROM patients
3	NATURAL JOIN tests
4	WHERE result = "positive"

	patient_id	patient_name	test_name	result
1	703	Tulen	covid test	positive

Execution finished without errors.
Result: 1 rows returned in 14ms
At line 1:
SELECT patient_id, patient_name, test_name, result
FROM patients
NATURAL JOIN tests
WHERE result = "positive"

Screenshots of tables with data contained in it

doctors	<u>staff_id</u>	name	age	working_years
	001	Brown	30	10
	002	John	40	20
	003	Mike	35	15
	004	Annie	25	10
	005	Hayate	55	30

hospital	<u>staff_id</u>	department
	001	Digestive
	002	Endocrine
	003	Pyschology
	004	Brain
	005	Heart

patients	<u>patient_id</u>	patient_name	age	check_in_date
	701	Robert	50	6/5/20
	702	Alice	60	6/15/20
	703	Tulen	65	6/5/20
	704	Maloc	70	6/14/20
	705	Kelly	77	6/15/20

tests						
	<u>test_id</u>	test_name	patient_name	result	date	
	501	blood analysis	Alice	negative	6/15/20	
	502	covid test	Tulen	positive	6/5/20	
	503	lumbar puncture	Maloc	negative	6/14/20	
	504	malabsorption test	Robert	negative	6/5/20	
	505	covid test	Kelly	negative	6/15/20	