Started on	Tuesday, 21 December 2021, 2:00 PM
State	Finished
Completed on	Tuesday, 21 December 2021, 2:14 PM
Time taken	14 mins 50 secs
Grade	**3.00** out of 9.00 (**33**%)

Question **1**

Incorrect

Mark 0.00 out of 2.00

Write a query to get the department name and number of employees in the department from the two tables employees and departments respectively.

(Note: Try to open the above image in a new tab for a clearer view)

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
100	Steven	King	SKING	515.123.4567	1987-06-17	AD_PRES	24000.00	0.00	0	90
101	Neena	Kochhar	NKOCHHAR	515.123.4568	1987-06-18	AD_VP	17000.00	0.00	100	90
105	David	Austin	DAUSTIN	590.423.4569	1987-06-22	IT_PROG	4800.00	0.00	103	60
108	Nancy	Greenberg	NGREENBE	515.124.4569	1987-06-25	FI_MGR	12000.00	0.00	101	100
109	Daniel	Faviet	DFAVIET	515.124.4169	1987-06-26	FI_ACCOUNT	9000.00	0.00	108	100
114	Den	Raphaely	DRAPHEAL	515.127.4561	1987-07-01	PU_MAN	11000.00	0.00	100	30
115	Alexander	Khoo	AKHOO	515.127.4562	1987-07-02	PU_CLERK	3100.00	0.00	114	30
125	Julia	Nayer	JNAYER	650.124.1214	1987-07-12	ST_CLERK	3200.00	0.00	120	50
126	Irene	Mikkilineni	IMIKKILI	650.124.1224	1987-07-13	ST_CLERK	2700.00	0.00	120	50
200	Jennifer	Whalen	JWHALEN	515.123.4444	1987-09-25	AD_ASST	4400.00	0.00	101	10
201	Michael	Hartstein	MHARTSTE	515.123.5555	1987-09-26	MK_MAN	13000.00	0.00	100	20
202	Pat	Fay	PFAY	603.123.6666	1987-09-27	MK_REP	6000.00	0.00	201	20
203	Susan	Mavris	SMAVRIS	515.123.7777	1987-09-28	HR_REP	6500.00	0.00	101	40
204	Hermann	Baer	HBAER	515.123.8888	1987-09-29	PR_REP	10000.00	0.00	101	70
205	Shelley	Higgins	SHIGGINS	515.123.8080	1987-09-30	AC_MGR	12000.00	0.00	101	110

DEPARTMENT_ID	DEPARTMENT_NAME	MANAGER_ID	LOCATION_ID
10	Administration	200	1700
20	Marketing	201	1800
30	Purchasing	114	1700
40	Human Resources	203	2400
50	Shipping	121	1500
60	IT	103	1400
70	Public Relations	204	2700
80	Sales	145	2500
90	Executive	100	1700
100	Finance	108	1700
110	Accounting	205	1700

- SELECT department_name AS 'Department Name',
  COUNT(*) AS 'No of Employees'
  FROM departments
  INNER JOIN employees
  ON employees.department_id = departments.department_id
  GROUP BY departments.department_id, department_name
  ORDER BY department_name;

- SELECT department_name AS 'Department Name',
  COUNT(*) AS 'No of Employees'
  FROM employees
  INNER JOIN departments
  ON employees.department_id = departments.department_id
  GROUP BY departments.department_id, department_name
  ORDER BY department_name;

- SELECT department_name AS 'Department Name',
  COUNT(*) AS 'No of Employees'
  FROM employees
  INNER JOIN departments
  ON employees.department_id = departments.department_id
  ORDER BY departments.department_id, department_name
  GROUP BY department_name;

- SELECT department_name AS 'Department Name',
  DISTINCT(*) AS 'No of Employees'

```
FROM departments
INNER JOIN employees
ON employees.department_id = departments.department_id
GROUP BY departments.department_id, department_name
ORDER BY department_name;
```

Your answer is incorrect.

The correct answer is:

```
SELECT department_name AS 'Department Name',
COUNT(*) AS 'No of Employees'
FROM departments
INNER JOIN employees
ON employees.department_id = departments.department_id
GROUP BY departments.department_id, department_name
ORDER BY department_name;
```

Question **2**

Incorrect

Mark 0.00 out of 2.00

Write a query to find the name (first_name, last_name) and hire date of the employees who was hired after 'Everett'.

(Note: Try to open the above image in a new tab for a clearer view)

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
190	Timothy	Gates	TGATES	650.505.3876	1987-09-15	SH_CLERK	2900.00	0.00	122	50
191	Randall	Perkins	RPERKINS	650.505.4876	1987-09-16	SH_CLERK	2500.00	0.00	122	50
192	Sarah	Bell	SBELL	650.501.1876	1987-09-17	SH_CLERK	4000.00	0.00	123	50
193	Britney	Everett	BEVERETT	650.501.2876	1987-09-18	SH_CLERK	3900.00	0.00	123	50
194	Samuel	McCain	SMCCAIN	650.501.3876	1987-09-19	SH_CLERK	3200.00	0.00	123	50
195	Vance	Jones	VJONES	650.501.4876	1987-09-20	SH_CLERK	2800.00	0.00	123	50
196	Alana	Walsh	AWALSH	650.507.9811	1987-09-21	SH_CLERK	3100.00	0.00	124	50
197	Kevin	Feeney	KFEENEY	650.507.9822	1987-09-22	SH_CLERK	3000.00	0.00	124	50
198	Donald	OConnell	DOCONNEL	650.507.9833	1987-09-23	SH_CLERK	2600.00	0.00	124	50
199	Douglas	Grant	DGRANT	650.507.9844	1987-09-24	SH_CLERK	2600.00	0.00	124	50
200	Jennifer	Whalen	JWHALEN	515.123.4444	1987-09-25	AD_ASST	4400.00	0.00	101	10

- SELECT e.first_name, e.last_name, e.hire_date
  FROM employees e
  INNER JOIN employees d
  ON (d.last_name = 'Everett')
  WHERE d.hire_date < e.hire_date;
- SELECT e.first_name, e.last_name, e.hire_date ✖
  FROM employees e
  INNER JOIN employees d
  HAVING (d.last_name = 'Everett')
  WHERE d.hire_date < e.hire_date;
- SELECT e.first_name, e.last_name, e.hire_date
  FROM employees e
  INNER JOIN employees d
  ON (d.last_name = 'Everett')
  WHERE e.hire_date < d.hire_date;
- SELECT e.first_name, e.last_name, e.hire_date
  FROM employees e
  FULL JOIN employees d
  ON (d.last_name = 'Everett')
  WHERE d.hire_date < e.hire_date;

Your answer is incorrect.

The correct answer is:
SELECT e.first_name, e.last_name, e.hire_date

FROM employees e

INNER JOIN employees d

ON (d.last_name = 'Everett')

WHERE d.hire_date < e.hire_date;

Question **3**

Incorrect

Mark 0.00 out of 2.00

Write a query to find the employee id, name (last_name) along with their manager_id and name (last_name).

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
100	Steven	King	SKING	515.123.4567	1987-06-17	AD_PRES	24000.00	0.00	0	90
101	Neena	Kochhar	NKOCHHAR	515.123.4568	1987-06-18	AD_VP	17000.00	0.00	100	90
102	Lex	De Haan	LDEHAAN	515.123.4569	1987-06-19	AD_VP	17000.00	0.00	100	90
103	Alexander	Hunold	AHUNOLD	590.423.4567	1987-06-20	IT_PROG	9000.00	0.00	102	60
104	Bruce	Ernst	BERNST	590.423.4568	1987-06-21	IT_PROG	6000.00	0.00	103	60
105	David	Austin	DAUSTIN	590.423.4569	1987-06-22	IT_PROG	4800.00	0.00	103	60
106	Valli	Pataballa	VPATABAL	590.423.4560	1987-06-23	IT_PROG	4800.00	0.00	103	60
107	Diana	Lorentz	DLORENTZ	590.423.5567	1987-06-24	IT_PROG	4200.00	0.00	103	60
108	Nancy	Greenberg	NGREENBE	515.124.4569	1987-06-25	FI_MGR	12000.00	0.00	101	100
109	Daniel	Faviet	DFAVIET	515.124.4169	1987-06-26	FI_ACCOUNT	9000.00	0.00	108	100
110	John	Chen	JCHEN	515.124.4269	1987-06-27	FI_ACCOUNT	8200.00	0.00	108	100

(Note: Try to open the above image in a new tab for a clearer view)

- SELECT e.employee_id 'Emp_Id', e.last_name 'Employee',
  m.employee_id 'Mgr_Id', m.last_name 'Manager'
  FROM employees e
  INNER JOIN employees m
  ON (e.manager_id = m.employee_id);
- SELECT e.employee_id 'Emp_Id', e.last_name 'Employee',
  m.employee_id 'Mgr_Id', m.last_name 'Manager'
  FROM employees e
  CROSS JOIN employees m
  ON (e.manager_id = m.employee_id);
- SELECT e.employee_id 'Emp_Id', e.last_name 'Employee',
  m.employee_id 'Mgr_Id', m.last_name 'Manager'
  FROM employees e
  INNER JOIN employees m
  ON (e.employee_id = m.employee_id);
- SELECT e.employee_id 'Emp_Id', e.last_name 'Employee',
  m.employee_id 'Mgr_Id', m.last_name 'Manager'
  FROM employees e
  CROSS JOIN employees m
  ON (e.employee_id = m.manager_id);

Your answer is incorrect.

The correct answer is: SELECT e.employee_id 'Emp_Id', e.last_name 'Employee',
m.employee_id 'Mgr_Id', m.last_name 'Manager'
FROM employees e
INNER JOIN employees m
ON (e.manager_id = m.employee_id);

Question **4**

Correct

Mark 1.00 out of 1.00

For two tables A and B, A LEFT JOIN B will produce same entries as B RIGHT JOIN A.

Select one:

- True ✔
- False

The order in which the entries are displayed may not be the same, but all entries will match for both commands.

The correct answer is 'True'.

Question **5**

Correct

Mark 1.00 out of 1.00

Which one of the following is not a type of join

- LEFT OUTER JOIN
- RIGHT JOIN
- UNION ✔
- INNER JOIN

Your answer is correct.

The correct answer is:
UNION

Question **6**

Correct

Mark 1.00 out of 1.00

The join where all possible row combinations are produced is called

- INNER JOIN
- OUTER JOIN
- FULL JOIN
- CROSS JOIN ✔

Your answer is correct.

The correct answer is:

CROSS JOIN

◄ MySQL Joins

Jump to...

Re-Quiz 3 ►