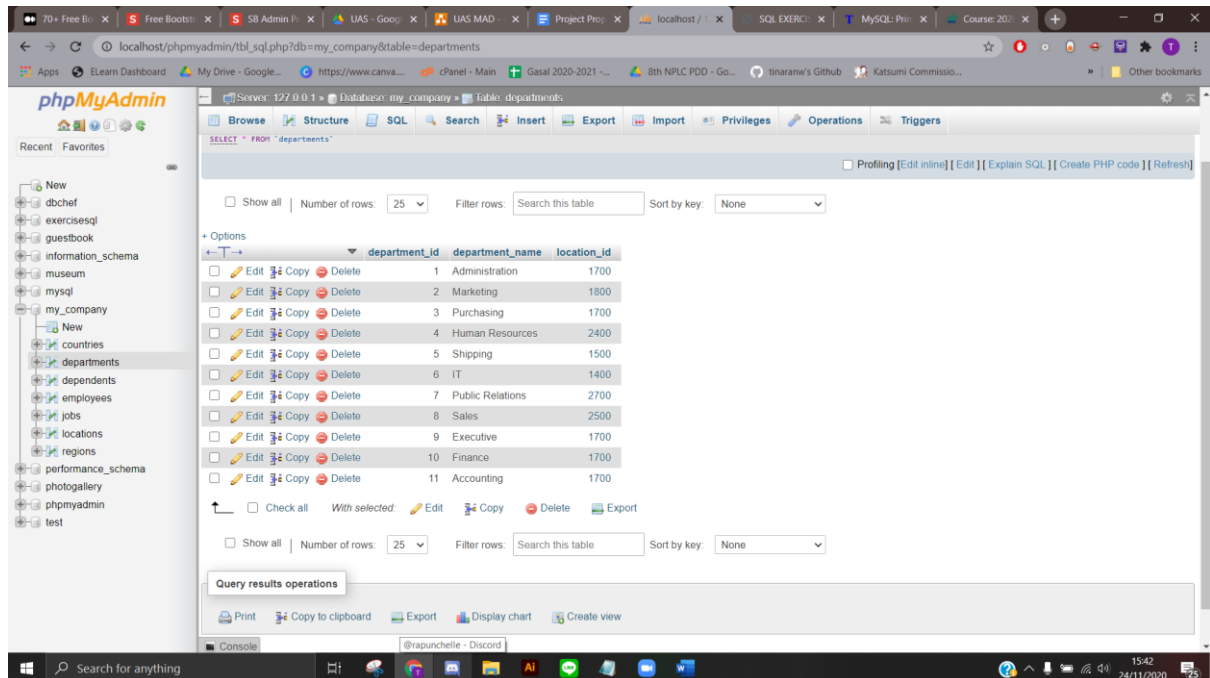




















1. Tampilkan data semua departemen yang ada

SQL: `SELECT * FROM `departments``

2. Tampilkan nama dan telepon karyawan yang ada di departemen dengan no ID = 10

SQL: `SELECT first_name, phone_number FROM `employees` WHERE department_id = 10`

+ Options				first_name	phone_number
<input type="checkbox"/>	 Edit	 Copy	 Delete	Nancy	515.124.4569
<input type="checkbox"/>	 Edit	 Copy	 Delete	Daniel	515.124.4169
<input type="checkbox"/>	 Edit	 Copy	 Delete	John	515.124.4269
<input type="checkbox"/>	 Edit	 Copy	 Delete	Ismael	515.124.4369
<input type="checkbox"/>	 Edit	 Copy	 Delete	Jose Manuel	515.124.4469
<input type="checkbox"/>	 Edit	 Copy	 Delete	Luis	515.124.4567

3. Tampilkan semua data employees berikut: nama lengkap, tahun masuk kerja, dan gaji dengan gaji > 9.000

```
SELECT CONCAT(first_name, last_name) AS Nama, year(hire_date) AS Tahun_Masuk, salary as Gaji FROM employees WHERE salary > 9000
```

Options

				Nama	Tahun_Masuk	Gaji
<input type="checkbox"/>	Edit	Copy	Delete	Hermann Baer	1994	10000.00
<input type="checkbox"/>	Edit	Copy	Delete	Den Raphaely	1994	11000.00
<input type="checkbox"/>	Edit	Copy	Delete	Shelley Higgins	1994	12000.00
<input type="checkbox"/>	Edit	Copy	Delete	Nancy Greenberg	1994	12000.00
<input type="checkbox"/>	Edit	Copy	Delete	Michael Hartstein	1996	13000.00
<input type="checkbox"/>	Edit	Copy	Delete	Karen Partners	1997	13500.00
<input type="checkbox"/>	Edit	Copy	Delete	John Russell	1996	14000.00
<input type="checkbox"/>	Edit	Copy	Delete	Lex De Haan	1993	17000.00
<input type="checkbox"/>	Edit	Copy	Delete	Neena Kochhar	1989	17000.00
<input type="checkbox"/>	Edit	Copy	Delete	Steven King	1987	24000.00

4. Tampilkan 4 huruf pertama dari firstname, ubah jadi huruf kecil semua, ubah semua huruf "e" menjadi angka "3" lalu reverse ke-4 huruf tersebut

SQL:

```
SELECT first_name, REVERSE(REPLACE(LOWER(SUBSTR(first_name, 1, 4)), 'e', '3')) As nickname  
from employees
```

+ Options

first_name	nickname
Steven	v3ts
Neena	n33n
Lex	x3l
Alexander	x3la
Bruce	curb
David	ivad
Valli	llav
Diana	naid
Nancy	cnan
Daniel	inad
John	nhoj
Ismael	amsi
Jose Manuel	3soj
Luis	siul
Den	n3d
Alexander	x3la
Shelli	l3hs
Sigal	agis
Guy	yug
Karen	3rak
Matthew	ttam
Adam	mada
Payam	ayap
Shanta	nahs
Irene	n3ri

5. Tampilkan data employees diurutkan dari gaji yang terbesar

```
SELECT first_name, last_name, salary as Gaji FROM employees WHERE salary ORDER BY salary DESC
```

<div><div><div><div></div><div></div><div></div></div></div><div></div></div>				first_name	last_name	Gaji
<input type="checkbox"/>		Edit	 Copy  Delete	Steven	King	24000.00
<input type="checkbox"/>		Edit	 Copy  Delete	Neena	Kochhar	17000.00
<input type="checkbox"/>		Edit	 Copy  Delete	Lex	De Haan	17000.00
<input type="checkbox"/>		Edit	 Copy  Delete	John	Russell	14000.00
<input type="checkbox"/>		Edit	 Copy  Delete	Karen	Partners	13500.00
<input type="checkbox"/>		Edit	 Copy  Delete	Michael	Hartstein	13000.00
<input type="checkbox"/>		Edit	 Copy  Delete	Shelley	Higgins	12000.00
<input type="checkbox"/>		Edit	 Copy  Delete	Nancy	Greenberg	12000.00
<input type="checkbox"/>		Edit	 Copy  Delete	Den	Raphaely	11000.00
<input type="checkbox"/>		Edit	 Copy  Delete	Hermann	Baer	10000.00
<input type="checkbox"/>		Edit	 Copy  Delete	Alexander	Hunold	9000.00
<input type="checkbox"/>		Edit	 Copy  Delete	Daniel	Faviet	9000.00
<input type="checkbox"/>		Edit	 Copy  Delete	Jonathon	Taylor	8600.00
<input type="checkbox"/>		Edit	 Copy  Delete	Jack	Livingston	8400.00
<input type="checkbox"/>		Edit	 Copy  Delete	William	Gietz	8300.00
<input type="checkbox"/>		Edit	 Copy  Delete	Adam	Fripp	8200.00
<input type="checkbox"/>		Edit	 Copy  Delete	John	Chen	8200.00
<input type="checkbox"/>		Edit	 Copy  Delete	Matthew	Weiss	8000.00
<input type="checkbox"/>		Edit	 Copy  Delete	Payam	Kaufling	7900.00
<input type="checkbox"/>		Edit	 Copy  Delete	Jose Manuel	Urman	7800.00
<input type="checkbox"/>		Edit	 Copy  Delete	Ismael	Sciarra	7700.00
<input type="checkbox"/>		Edit	Copy Delete	Kimberely	Grant	7000.00

6. Tampilkan jumlah pegawai di setiap department, diurutkan dari nomor department terkecil

```
SELECT departments.department_id, (SELECT COUNT(*) FROM employees WHERE employees.department_id = departments.department_id) AS jumlah_pegawai FROM departments ORDER BY department_id
```

department_id	jumlah_pegawai
1	1
2	2
3	6
4	1
5	7
6	5
7	1
8	6
9	3
10	6
11	2

7. Tampilkan data berikut: nama lengkap karyawan, nama departemen, job setiap karyawan

SQL: `SELECT t1.employee_id, CONCAT(t1.first_name, " ", t1.last_name) AS name, t2.department_name, t3.job_title FROM employees t1, departments t2, jobs t3 WHERE t1.department_id = t2.department_id && t1.job_id = t3.job_id`

+ Options

employee_id	name	department_name	job_title
200	Jennifer Whalen	Administration	Administration Assistant
201	Michael Hartstein	Marketing	Marketing Manager
202	Pat Fay	Marketing	Marketing Representative
114	Den Raphaely	Purchasing	Purchasing Manager
115	Alexander Khoo	Purchasing	Purchasing Clerk
116	Shelli Baida	Purchasing	Purchasing Clerk
117	Sigal Tobias	Purchasing	Purchasing Clerk
118	Guy Himuro	Purchasing	Purchasing Clerk
119	Karen Colmenares	Purchasing	Purchasing Clerk
203	Susan Mavris	Human Resources	Human Resources Representative
120	Matthew Weiss	Shipping	Stock Manager
121	Adam Fripp	Shipping	Stock Manager
122	Payam Kaufling	Shipping	Stock Manager
123	Shanta Vollman	Shipping	Stock Manager
126	Irene Mikkilineni	Shipping	Stock Clerk
192	Sarah Bell	Shipping	Shipping Clerk
193	Britney Everett	Shipping	Shipping Clerk
103	Alexander Hunold	IT	Programmer
104	Bruce Ernst	IT	Programmer
105	David Austin	IT	Programmer
106	Valli Pataballa	IT	Programmer
107	Diana Lorentz	IT	Programmer
204	Hermann Baer	Public Relations	Public Relations Representative
145	John Russell	Sales	Sales Manager
146	Karen Partners	Sales	Sales Manager

8. Tampilkan semua department yang ada di kota Seattle

SQL:

```
SELECT t1.department_name, t2.city, t2.state_province FROM departments t1, locations t2 WHERE t1.location_id = t2.location_id && city = "Seattle"
```

+ Options

department_name	city	state_province
Administration	Seattle	Washington
Purchasing	Seattle	Washington
Executive	Seattle	Washington
Finance	Seattle	Washington
Accounting	Seattle	Washington

9. Tampilkan nama, department dan kota untuk karyawan yang bekerja di kota Seattle

SQL:

```
SELECT t1.first_name, t2.department_name, t3.city FROM employees t1, departments t2, locations t3 WHERE t1.department_id = t2.department_id && t2.location_id = t3.location_id && city = "Seattle"
```

+ Options

first_name	department_name	city
Jennifer	Administration	Seattle
Den	Purchasing	Seattle
Alexander	Purchasing	Seattle
Shelli	Purchasing	Seattle
Sigal	Purchasing	Seattle
Guy	Purchasing	Seattle
Karen	Purchasing	Seattle
Steven	Executive	Seattle
Neena	Executive	Seattle
Lex	Executive	Seattle
Nancy	Finance	Seattle
Daniel	Finance	Seattle
John	Finance	Seattle
Ismael	Finance	Seattle
Jose Manuel	Finance	Seattle
Luis	Finance	Seattle
Shelley	Accounting	Seattle
William	Accounting	Seattle

10. Tampilkan jumlah karyawan dan jumlah total gaji yang bekerja di masing-masing kota

SQL:

```
SELECT t1.city, COUNT(*) AS karyawan, SUM(salary) AS total_gaji FROM locations t1, employees t2, departments t3 WHERE t1.location_id = t3.location_id AND t2.department_id = t3.department_id GROUP BY t1.city
```


+ Options		
city	karyawan	total_gaji
London	1	6500.00
Munich	1	10000.00
Oxford	6	57700.00
Seattle	18	159200.00
South San Francisco	7	41200.00
Southlake	5	28800.00
Toronto	2	19000.00

11. find all employees whose salaries are BETWEEN 2,500 and 2,900

SQL:

```
SELECT employee_id, first_name, last_name, salary FROM employees WHERE salary BETWEEN 2500 AND 2900
```

+ Options

				employee_id	first_name	last_name	salary
<input type="checkbox"/>	 Edit	 Copy	 Delete	116	Shelli	Baida	2900.00
<input type="checkbox"/>	 Edit	 Copy	 Delete	117	Sigal	Tobias	2800.00
<input type="checkbox"/>	 Edit	 Copy	 Delete	118	Guy	Himuro	2600.00
<input type="checkbox"/>	 Edit	 Copy	 Delete	119	Karen	Colmenares	2500.00
<input type="checkbox"/>	 Edit	 Copy	 Delete	126	Irene	Mikkilineni	2700.00

↑

☐ Check all

With selected:

 Edit

 Copy
































































 Delete

 Export

12. . find all employees whose salary are not in the range of 2,500 and 2,900. Use the NOT BETWEEN operator in the WHERE clause

SQL:

```
SELECT employee_id, first_name, last_name, salary FROM employees WHERE salary NOT BETWEEN 2500 AND 2900
```

+ Options				employee_id	first_name	last_name	salary
<input type="checkbox"/>		Edit	 Copy  Delete	100	Steven	King	24000.00
<input type="checkbox"/>		Edit	 Copy  Delete	101	Neena	Kochhar	17000.00
<input type="checkbox"/>		Edit	 Copy  Delete	102	Lex	De Haan	17000.00
<input type="checkbox"/>		Edit	 Copy  Delete	103	Alexander	Hunold	9000.00
<input type="checkbox"/>		Edit	 Copy  Delete	104	Bruce	Ernst	6000.00
<input type="checkbox"/>		Edit	 Copy  Delete	105	David	Austin	4800.00
<input type="checkbox"/>		Edit	 Copy  Delete	106	Valli	Pataballa	4800.00
<input type="checkbox"/>		Edit	 Copy  Delete	107	Diana	Lorentz	4200.00
<input type="checkbox"/>		Edit	 Copy  Delete	108	Nancy	Greenberg	12000.00
<input type="checkbox"/>		Edit	 Copy  Delete	109	Daniel	Faviet	9000.00
<input type="checkbox"/>		Edit	 Copy  Delete	110	John	Chen	8200.00
<input type="checkbox"/>		Edit	 Copy  Delete	111	Ismael	Sciarra	7700.00
<input type="checkbox"/>		Edit	 Copy  Delete	112	Jose Manuel	Urman	7800.00
<input type="checkbox"/>		Edit	 Copy  Delete	113	Luis	Popp	6900.00
<input type="checkbox"/>		Edit	 Copy  Delete	114	Den	Raphaely	11000.00
<input type="checkbox"/>		Edit	 Copy  Delete	115	Alexander	Khoo	3100.00
<input type="checkbox"/>		Edit	 Copy  Delete	120	Matthew	Weiss	8000.00
<input type="checkbox"/>		Edit	 Copy  Delete	121	Adam	Fripp	8200.00
<input type="checkbox"/>		Edit	 Copy  Delete	122	Payam	Kaufling	7900.00
<input type="checkbox"/>		Edit	 Copy  Delete	123	Shanta	Vollman	6500.00
<input type="checkbox"/>		Edit	 Copy  Delete	145	John	Russell	14000.00

13. find all employees who joined the company between January 1, 1999, and December 31, 2000

SQL:

```
SELECT employee_id, first_name, last_name, hire_date FROM employees WHERE hire_date BETWEEN '1999-01-01' AND '2000-12-31'
```

+ Options							
		Edit		Copy		Delete	
				employee_id	first_name	last_name	hire_date
<input type="checkbox"/>		Edit		Copy		Delete	107 Diana Lorentz 1999-02-07
<input type="checkbox"/>		Edit		Copy		Delete	113 Luis Popp 1999-12-07
<input type="checkbox"/>		Edit		Copy		Delete	119 Karen Colmenares 1999-08-10
<input type="checkbox"/>		Edit		Copy		Delete	178 Kimberely Grant 1999-05-24
<input type="checkbox"/>		Edit		Copy		Delete	179 Charles Johnson 2000-01-04