

LabManual#3

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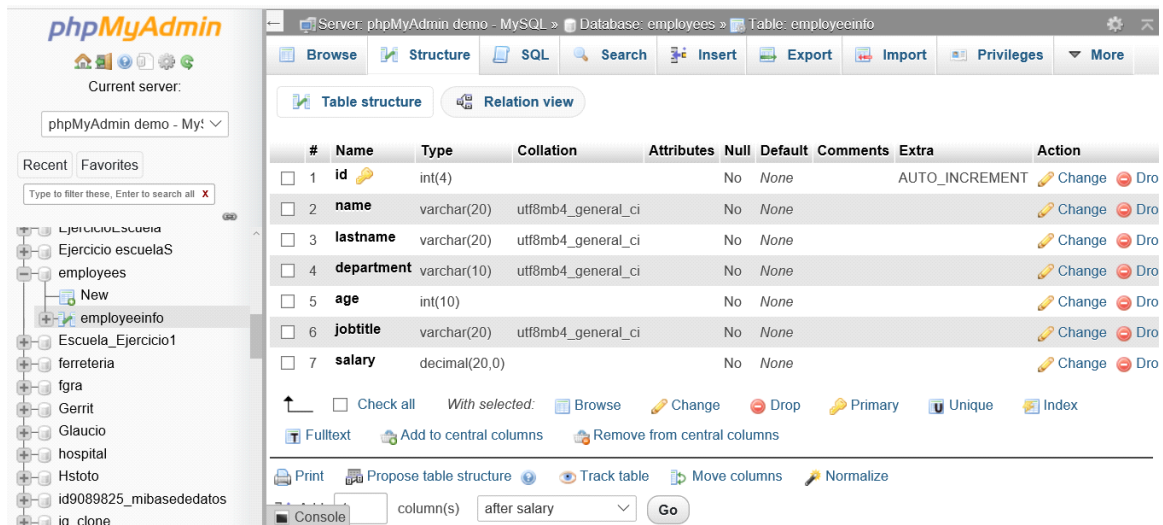
Department : IT 8th semester

Date : 17-May-2019

Course Title : DBA

GCWUS

1-Create a new database and add a table which contains seven columns



Current server: phpMyAdmin demo - MySQL

Recent Favorites

Type to filter these, Enter to search all

Database: employees

Table: employeeinfo

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(4)			No	None		AUTO_INCREMENT	Change Dro
2	name	varchar(20)	utf8mb4_general_ci		No	None			Change Dro
3	lastname	varchar(20)	utf8mb4_general_ci		No	None			Change Dro
4	department	varchar(10)	utf8mb4_general_ci		No	None			Change Dro
5	age	int(10)			No	None			Change Dro
6	jobtitle	varchar(20)	utf8mb4_general_ci		No	None			Change Dro
7	salary	decimal(20,0)			No	None			Change Dro


Check all With selected: Browse Change Drop Primary Unique Index

Fulltext Add to central columns Remove from central columns

Print Propose table structure Track table Move columns Normalize

column(s) after salary Go

2-Add data in every column of created table



Server: phpMyAdmin demo - MySQL Database: MYDB Table: employees

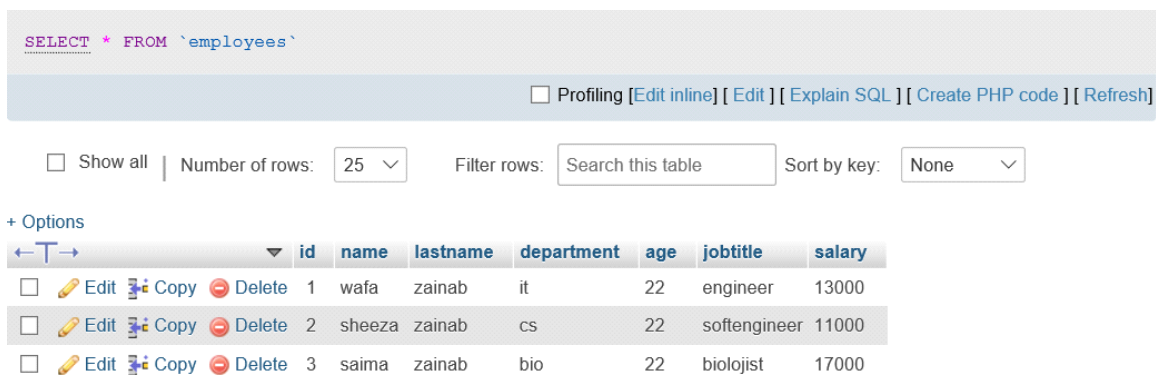
Browser Structure SQL Search Insert Export Import Privileges More

Show query box

1 row inserted. (Query took 0.0177 seconds.)

```
INSERT INTO `employees`(`id`, `name`, `lastname`, `department`, `age`, `jobtitle`, `salary`) VALUES (3, 'saima', 'zainab', 'bio', '22', 'biolojist', '17000')
```

3-Add query for selecting all the data stored in table



```
SELECT * FROM `employees`
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]


Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None

+ Options











	id	name	lastname	department	age	jobtitle	salary
<input type="checkbox"/> Edit Copy Delete	1	wafa	zainab	it	22	engineer	13000
<input type="checkbox"/> Edit Copy Delete	2	sheeza	zainab	cs	22	softengineer	11000
<input type="checkbox"/> Edit Copy Delete	3	saima	zainab	bio	22	biolojist	17000

4-Displays all names

```
SELECT name FROM `employees`
```

☐ Show all | Number of rows: 25 

+ Options











	name			
<input type="checkbox"/>	 Edit	 Copy	 Delete	wafa
<input type="checkbox"/>	 Edit	 Copy	 Delete	sheeza
<input type="checkbox"/>	 Edit	 Copy	 Delete	saima

5-Outputs names and ages of all employees

```
SELECT name,age FROM `employees`
```

☐ Show all | Number of rows: 25 

+ Options









					name	age
<input type="checkbox"/>	 Edit	 Copy	 Delete		wafa	22
<input type="checkbox"/>	 Edit	 Copy	 Delete		sheeza	22
<input type="checkbox"/>	 Edit	 Copy	 Delete		saima	22

6-Displays name and ages by adding ,sutracting and mutiplying by 5


```
SELECT name,age+5 FROM `employees`
```

☐ Show all | Number of rows: 25 










Options

						name	age+5	
<input type="checkbox"/>		Edit		Copy		Delete	wafa	27
<input type="checkbox"/>		Edit		Copy		Delete	sheeza	27
<input type="checkbox"/>		Edit		Copy		Delete	saima	27

```
SELECT name,age-5 FROM `employees`
```

☐ Show all | Number of rows: 25 






Options

<div><div><div><div></div><div></div><div></div></div><div></div><div></div></div></div>						name	age-5	
<input type="checkbox"/>		Edit		Copy		Delete	wafa	17
<input type="checkbox"/>		Edit		Copy		Delete	sheeza	17
<input type="checkbox"/>		Edit		Copy		Delete	saima	17

```
SELECT name,age*5 FROM `employees`
```

☐ Show all | Number of rows: 25 

Options

						name	age*5	
<input type="checkbox"/>		Edit		Copy		Delete	wafa	110
<input type="checkbox"/>		Edit		Copy		Delete	sheeza	110
<input type="checkbox"/>		Edit		Copy		Delete	saima	110

7-Use of WHERE clause

```
SELECT name,age,jobtitle FROM `employees` WHERE jobtitle='engineer'
```

☐ Profiling [\[Edit inline\]](#) [\[Edit\]](#) [\[Ex\]](#)

☐ Show all | Number of rows: 25 Filter rows:

+ Options

	name	age	jobtitle
<input type="checkbox"/> Edit Copy Delete	wafa	22	engineer

```
SELECT name,lastname,department FROM `employees` WHERE name='saima'
```

☐ Profiling [\[Edit inline\]](#) [\[Edit\]](#) [\[Ex\]](#)

☐ Show all | Number of rows: 25 Filter rows:

Options

	name	lastname	department
<input type="checkbox"/> Edit Copy Delete	saima	zainab	bio

8-Use of arithmetic expressions

```
SELECT name,lastname,department,salary+100 FROM `employees`
```

☐ Profiling [\[Edit inline\]](#) [\[Edit\]](#) [\[Ex\]](#)

☐ Show all | Number of rows: 25 Filter rows:

Options

	name	lastname	department	salary+100
<input type="checkbox"/> Edit Copy Delete	wafa	zainab	it	13100
<input type="checkbox"/> Edit Copy Delete	sheeza	zainab	cs	11100
<input type="checkbox"/> Edit Copy Delete	saima	zainab	bio	17100

```
SELECT name,lastname,department,2*salary+100 FROM `employees`
```

☐ Profiling [\[Edit inline\]](#) [\[Edit\]](#)

☐ Show all | Number of rows: 25 Filter rows:

+ Options

				name	lastname	department	2*salary+100
<input type="checkbox"/>				Wafa	Zainab	IT	26100
<input type="checkbox"/>				Sheeza	Zainab	CS	22100
<input type="checkbox"/>				Saima	Zainab	BIO	34100

```
SELECT name,lastname,department,2*salary+100 FROM `employees` WHERE name='sheeza'
```

☐ Profiling [\[Edit inline\]](#) [\[Edit\]](#) [\[Explain SQL\]](#) [\[Create\]](#)

☐ Show all | Number of rows: 25 Filter rows:

- Options

				name	lastname	department	2*salary+100
<input type="checkbox"/>				Sheeza	Zainab	CS	22100

9-Use of AS,concatenation and comparison clauses

```
SELECT name,jobtitle AS employeeinfor FROM `employees`
```

☐ Profiling [\[Edit inline\]](#) [\[Edit\]](#) [\[Explain SQL\]](#) [\[Create\]](#)

☐ Show all | Number of rows: 25 Filter rows:

Options

				name	employeeinfor
<input type="checkbox"/>				Wafa	engineer
<input type="checkbox"/>				Sheeza	softengineer
<input type="checkbox"/>				Saima	biologist










```
SELECT name 'is a' ,jobtitle AS details FROM `employees`
```

☐ Profiling [Edit]

☐ Show all | Number of rows: 25 Filter rows:

Options

is a **details**







<input type="checkbox"/>	 Edit	 Copy	 Delete	wafa	engineer
<input type="checkbox"/>	 Edit	 Copy	 Delete	sheeza	softengineer
<input type="checkbox"/>	 Edit	 Copy	 Delete	saima	biolojst

```
SELECT name,salary FROM `employees` WHERE salary<=15000
```

☐ Profiling [Edit]

☐ Show all | Number of rows: 25 Filter rows:

+ Options

<div>↔T↔</div>				name	salary
<input type="checkbox"/>	 Edit	 Copy	 Delete	wafa	13000
<input type="checkbox"/>	 Edit	 Copy	 Delete	sheeza	11000