ASJID TAHIR 19p-0085

DATABASE LAB EXAM

Section: B

Question # 01:

1):

```
MariaDB [hr]> select salary from employees order by salary desc limit 3,1;

+-----+

| salary |

+-----+

| 14000.00 |

+-----+

1 row in set (0.001 sec)
```

10):

9):

7):

4):

```
MariaDB [hr]> select first_name,last_name from employees where salary > '2500.00' or salary >'11500.00';
                                    King
Kochhar
De Haan
Hunold
Ernst
Austin
Pataballa
Lorentz
Gavier
Faviet
Chen
Sciarra
Urman
Popp
  Steven
Neena
 Neena
Lex
Alexander
Bruce
David
Valli
Diana
  Nancy
Daniel
   John
Ismael
  Jose Manuel
Luis
                                      Popp
Raphaely
  Den
Alexander
Shelli
Sigal
                                      Khoo
Baida
Tobias
  Guy
Matthew
Adam
Payam
Shanta
                                      Himuro
Weiss
                                      Fripp
Kaufling
Vollman
                                    Vollman
Mourgos
Nayer
Mikkilineni
Bissot
Atkinson
Mallin
Rogers
Ladwig
Stiles
  Kevin
Julia
Irene
Laura
  Mozhe
Jason
Michael
  Renske
Stephen
                                    Stiles
Seo
Rajs
Davies
Matos
Russell
Partners
Errazuriz
Cambrault
Zlotkey
Tucker
Bernstein
  John
Trenna
Curtis
Randall
John
  Karen
Alberto
Gerald
Eleni
   Peter
  David
Peter
                                     Bernstein
Hall
```

12):

5):

select first_name ,last_name from employees where salary > (select avg(salary) from employees natural join departments group by department_name);

```
lariaDB [hr]> select first_name,last_name, max(salary) from employees natural join departments group by department_name;
first_name | last_name | max(salary) |
William
                               8300.00
Neena
Daniel
                              17000.00
              Kochhar
                               9000.00
              Faviet
                               6000.00
 Bruce
              Fay
Khoo
                               6000.00
 Alexander
                               3100.00
              Tucker
                              10000.00
 Laura
                               4200.00
rows in set (0.001 sec)
```

Question # 02:

```
EKKOK בשמש (42שמש): You have an error in your SQL Syntax; check the manual that
MariaDB [hr]> create table person(
    -> id int(10) primary key not null,
    -> email varchar(40));
Query OK, 0 rows affected (0.030 sec)
MariaDB [hr]> insert into person values(1,'john@example.com');
Query OK, 1 row affected (0.004 sec)
MariaDB [hr]> insert into person values(1,'bob@example.com');
ERROR 1062 (23000): Duplicate entry '1' for key 'PRIMARY'
MariaDB [hr]> insert into person values(2,'bob@example.com');
Query OK, 1 row affected (0.002 sec)
MariaDB [hr]> insert into person values(3,'john@example.com');
Query OK, 1 row affected (0.001 sec)
MariaDB [hr]> select * from person;
 id | email
      john@example.com
  2
      bob@example.com
  3 | john@example.com |
3 rows in set (0.000 sec)
MariaDB [hr]>
```

Delete Query:

13):

select first_name, last_name, job_title,department_name, city, region_name from employees natural join departments natural join jobs natural join locations natural join countries natural join regions;

		job_title	department_name		region_name	
Peter	Tucker	Sales Representative	Sales	0xford	Europe	
David	Bernstein	Sales Representative	Sales	0xford	Europe	
Peter	Hall	Sales Representative	Sales	0xford	Europe	
Christopher	Olsen	Sales Representative	Sales	Oxford	Europe	
Nanette	Cambrault	Sales Representative	Sales	0xford	Europe	
Oliver	Tuvault	Sales Representative	Sales	0xford	Europe	
Pat	Fav	Marketing Representative	Marketing	Toronto	Americas	
Bruce	Ernst	Programmer	IT T	Southlake	Americas	
David	Austin	Programmer	IT	Southlake	Americas	
Valli	Pataballa	Programmer	IT	Southlake	Americas	
Diana	Lorentz	Programmer	IT	Southlake	Americas	
Laura	Bissot	Stock Clerk	Shipping	South San Francisco	Americas	
Mozhe	Atkinson	Stock Clerk	Shipping	South San Francisco	Americas	
James	Marlow	Stock Clerk	Shipping	South San Francisco	Americas	
	01son	Stock Clerk	Shipping *	South San Francisco	Americas	
Nandita	Sarchand	Shipping Clerk	Shipping	South San Francisco	Americas	
Alexis	Bull	Shipping Clerk	Shipping	South San Francisco	Americas	
Julia	Dellinger	Shipping Clerk	Shipping	South San Francisco	Americas	
Anthony	Cabrio	Shipping Clerk	Shipping	South San Francisco	Americas	
Alexander	Khoo	Purchasing Clerk	Purchasing	Seattle	Americas	
Shelli	Baida	Purchasing Clerk	Purchasing	Seattle	Americas	
Sigal	Tobias	Purchasing Clerk	Purchasing	Seattle	Americas	
Guy	Himuro	Purchasing Clerk	Purchasing	Seattle	Americas	
Karen	Colmenares	Purchasing Clerk	Purchasing	Seattle	Americas	
Neena	Kochhar	Administration Vice President	Executive	Seattle	Americas	
Lex	De Haan	Administration Vice President	Executive	Seattle	Americas	
Daniel	Faviet	Accountant	Finance	Seattle	Americas	
John	Chen	Accountant	Finance	Seattle	Americas	
Ismael	Sciarra	Accountant	Finance	Seattle	Americas	
Jose Manuel	Urman	Accountant	Finance	Seattle	Americas	
Luis	Popp	Accountant	Finance	Seattle	Americas	
William	Gietz	Public Accountant	Accounting	Seattle	Americas	

11):

artment_id	location_id	department_name	
10	 1700	Administration	
20	1800	Marketing	
30	1700	Purchasing	
40	2400	Human Resources	
50	1500	Shipping	
60	1400	IT	
70	2700	Public Relations	
80	2500	Sales	
90	1700	Executive	
100	1700	Finance	
110	1700	Accounting	
120	1700	Treasury	
130	1700	Corporate Tax	
140	1700	Control And Credit	
150	1700	Shareholder Services	
160	1700	Benefits	
170	1700	Manufacturing	
180	1700	Construction	
190	1700	Contracting	
200	1700	Operations	
210	1700	IT Support	
220	1700	NOC	
230	1700	IT Helpdesk	
240	1700	Government Sales	
250	1700	Retail Sales	
260	1700	Recruiting	
270	1700	Payroll	

Question 2:

2: Procedures:

Countries Procedure:

```
MariaDB [hr]> delimiter $$

MariaDB [hr]> create procedure countries()

-> begin
-> insert into countries values ('ZK','Polland',9);

-> end$$

Query OK, 0 rows affected (0.005 sec)

MariaDB [hr]> call countries$$
```

2):

Create view asjid as select phone_number,first_name,last_name ,max_salary from employees natural join jobs where job_id='sh_clerk'or job_id='pu_clerk' or job_id='st_clerk' order by max_salary desc\$\$

MariaDB [hr]> create view asjid as select phone_number,first_name,last_name _max_salary from employees natural join jobs where job_id='sh_clerk'or job_id='pu_clerk' or job_id='st_clerk' order by max_salary desc\$

Query OK, 0 rows affected (0.004 sec)

MariaDB [hr]> select * from asjid\$\$

| phone_number | first_name | last_name | max_salary |

phone	_number	first_name	last_name	max_salary
515.1	27.4562	Alexander	Khoo	5500
515.1	27.4563	Shelli	Baida	5500
515.1	27.4564	Sigal	Tobias	5500
515.1	27.4565	Guy	Himuro	5500
515.1	27.4566	Karen	Colmenares	5500
650.5	07.9876	Winston	Taylor	5500
650.5	07.9877	Jean	Fleaur	5500
650.5	07.9878	Martha	Sullivan	5500
650.5	07.9879	Girard	Geoni	5500
650.5	09.1876	Nandita	Sarchand	5500
650.5	09.2876	Alexis	Bull Bull	5500
650.5	09.3876	Julia	Dellinger	5500
650.5	09.4876	Anthony	Cabrio	5500

515.12/.4564	Sigai	lobias	5500	
515.127.4565	Guy	Himuro	5500	j
515.127.4566	Karen	Colmenares	5500	
650.507.9876	Winston	Taylor	5500	
650.507.9877	Jean	Fleaur	5500	
650.507.9878	Martha	Sullivan	5500	
650.507.9879	Girard	Geoni	5500	
650.509.1876	Nandita	Sarchand	5500	
650.509.2876	Alexis	Bull	5500	
650.509.3876	Julia	Dellinger	5500	
650.509.4876	Anthony	Cabrio	5500	ĺ
650.505.1876	Kelly	Chung	5500	
650.505.2876	Jennifer	Dilly	5500	İ
650.505.3876	Timothy	Gates	5500	İ
650.505.4876	Randall	Perkins	5500	İ
650.501.1876	Sarah	Bell	5500	i
650.501.2876	Britney	Everett	5500	i
650.501.3876	Samuel	McCain	5500	i
650.501.4876	Vance	Jones	5500	i
650.507.9811	Alana	Walsh	5500	i
650.507.9822	Kevin	Feeney	5500	i
650.507.9833	Donald	0Connell	5500	i
650.507.9844	Douglas	Grant	5500	i
650.124.1214	Julia	Nayer	5000	i
650.124.1224	Irene	Mikkilineni	5000	i
650.124.1334	James	Landry	5000	i
650.124.1434	Steven	Markle	5000	i
650.124.5234	Laura	Bissot	5000	i
650.124.6234	Mozhe	Atkinson	5000	i
650.124.7234	James	Marlow	5000	i
650.124.8234	i tj	Olson	5000	i
650.127.1934	Jason	Mallin	5000	i
650.127.1834	Michael	Rogers	5000	i
650.127.1734	Ki	Gee	5000	i
650.127.1634	Hazel	Philtanker	5000	İ
650.121.1234	Renske	Ladwig	5000	İ
650.121.2034	Stephen	Stiles	5000	
650.121.2019	John	Seo	5000	
650.121.1834	Joshua	Patel	5000	i
650.121.8009	Trenna	Rajs	5000	i
650.121.2994	Curtis	Davies	5000	i
650.121.2874	Randall	Matos	5000	
650.121.2004	Peter	Vargas	5000	
+	+	+	+	+
45 rows in set	(0.001 sec)			

14):

Peter	Hall
Christopher	Olsen
Nanette	Cambrault
Oliver	Tuvault
Janette	King
Patrick	Sully
Allan	McEwen
Lindsey	Smith
Louise	Doran
Sarath	Sewall
Clara	Vishney
Danielle	Greene
Mattea	Marvins
David	Lee
Sundar	Ande
Amit	Banda
Lisa	Ozer
Harrison	Bloom
Tayler	Fox
William	Smith
Elizabeth	Bates
Sundita	Kumar
Ellen	Abel
Alyssa	Hutton
Jonathon	Taylor
Jack	Livingston
Kimberely	Grant
Charles	Johnson
Winston	Taylor
Jean	Fleaur
Girard	Geoni
Nandita	Sarchand
Alexis	Bull
Julia	Dellinger
Anthony	Cabrio
Kelly	Chung
Jennifer	Chang
Timothy	Gates
Sarah	Bell
Britney	Everett
Samuel	McCain
	i -
Vance Alana	Jones Walsh
Kevin	Walsii
Donald	OConnell
Douglas	Oconnell
Jennifer	
Michael	Whalen Hartstein
Pat	Fay

Pat	Fay	
Susan	Mavris	
Hermann	Baer	
Shelley	Higgins	
William	Gietz	
+	++	
96 rows in set	(0.001 sec)	