# **SQL ASSIGNMENT**

**Task 1:** Q1: Query: SELECT first name as WORKER NAME FROM `worker`; Result: Showing rows 0 - 24 (51 total, Query took 0.0005 seconds.) SELECT first\_name as WORKER\_NAME FROM `worker`; ☐ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ] Search this table 1 🕶 25 🕶 Filter rows: Extra options WORKER\_NAME sree sai john vignesh manian divya ramesh udhay uday santosh nisha dhalia nancy victor sai vimal ramesh karthick saranya

# Q2: Query: SELECT distinct department FROM `worker`; Result: Showing rows 0 - 4 (5 total, Query took 0.0007 seconds.) SELECT distinct department FROM `worker`; Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh] Filter rows: Search this table Show all Number of rows: 25 Extra options department HR IT ADMIN FINANCE **NETWORK** Q3: Query: SELECT \* FROM ( SELECT \* FROM employee ORDER BY s no DESC LIMIT 5 ) AS sub ORDER BY s no ASC; Result: Showing rows 0 - 4 (5 total, Query took 0.0009 seconds.) $\underline{\mathsf{SELECT}} \ ^* \ \mathsf{FROM} \ ( \ \underline{\mathsf{SELECT}} \ ^* \ \mathsf{FROM} \ \mathsf{employee} \ \mathsf{ORDER} \ \mathsf{BY} \ \mathsf{s\_no} \ \mathsf{DESC} \ \mathsf{LIMIT} \ \mathsf{5} \ ) \ \mathsf{AS} \ \mathsf{sub} \ \mathsf{ORDER} \ \mathsf{BY} \ \mathsf{s\_no} \ \mathsf{ASC};$ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh] Show all | Number of rows: Filter rows: Search this table Extra options s\_no 🔺 1 first\_name last\_name email department salary join\_date 21 santosh santoshsravan@guvi.com 4166 2017-01-26 sravan IT 8909 1999-06-22 22 hema hemalatha@guvi.com latha shanumgavinayaga@gmail.com ADMIN 23 shanumga 3580 2015-11-02 vinayaga 24 ramesh FINANCE 8260 2021-09-23 shanmuga rameshshanmuga@guvi.com 25 jesus christ jesuschrist@gmail.com **NETWORK** 4607 2005-01-17

Filter rows:

Search this table

☐ Show all | Number of rows:

# Q1: Query: SELECT SUBSTRING( first\_name, 1, 3 ) FROM worker; Result: Showing rows 0 - 24 (51 total, Query took 0.0008 seconds.) SELECT SUBSTRING( first\_name, 1, 3 ) FROM worker; ☐ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ] Filter rows: Search this table 25 🕶 Extra options SUBSTRING(first\_name, 1, 3) sre sai joh vig man div ram udh uda san nis dha nan vic sai vim ram kar sar

Task 2:

# Q2:

# Query:

SELECT first name, LOCATE ("a", first name) as position of a FROM worker;

# Result:



#### Extra options

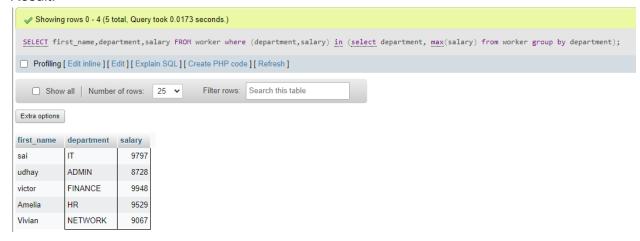
first_name	position_of_a
sree	0
sai	2
john	0
vignesh	0
manian	2
divya	5
ramesh	2
udhay	4
uday	3
santosh	2
nisha	5
dhalia	3
nancy	2
victor	0
sai	2
vimal	4
ramesh	2
karthick	2
saranya	2

# Q3:

# Query:

SELECT first\_name,department, salary FROM worker where (department, salary) in
(select department, max(salary) from worker group by department);

# Result:

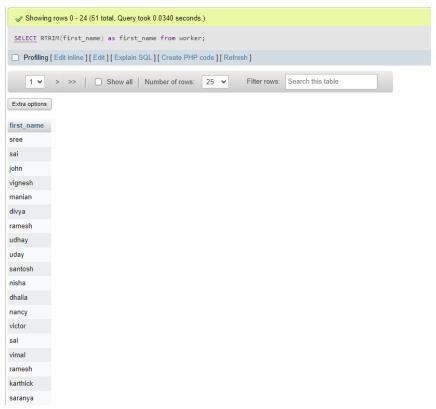


# Task 3:

Q1:

# Query:

SELECT RTRIM(first name) as first name from worker;

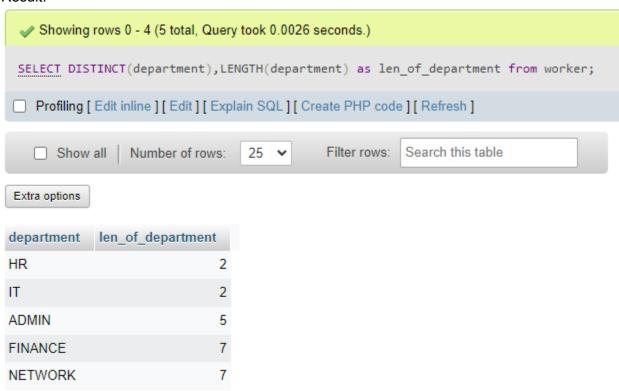


# Q2:

# Query:

SELECT DISTINCT(department), LENGTH(department) as len\_of\_department from
worker;

# Result:



# Q3:

#### Query:

select \* from( select first\_name, salary, dense\_rank() over(order by salary
desc)rank from worker) a where a.rank = 20;

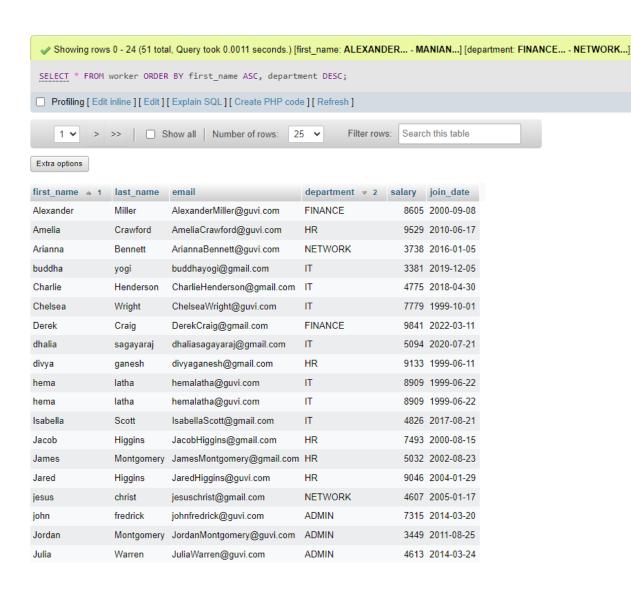


# Task 4: Q1: Query: SELECT REPLACE(first\_name, "a", "A") as first\_name from worker; Result: Showing rows 0 - 24 (51 total, Query took 0.0253 seconds.) SELECT REPLACE(first\_name, "a", "A") as first\_name from worker; □ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ] Filter rows: Search this table 25 🕶 Extra options first\_name sree sAi john vignesh mAniAn divyA rAmesh udhAy udAy sAntosh nishA dhAliA nAncy victor sAi vimAl rAmesh kArthick sArAnyA

# Q2:

# Query:

SELECT \* FROM worker ORDER BY first\_name ASC, department DESC;



# Q3:

# Query:

SELECT first\_name, salary FROM worker where salary in (select max(salary) from
worker);



# Task 5: Q1:

# Query:

SELECT \* FROM `worker` WHERE first\_name not in ('santosh', 'ramesh');

# Result:



Extra options

first_name	last_name	email	department	salary	join_date
sree	varshini	sreevarshini@guvi.com	HR	2866	2003-10-20
sai	sree	saisree@gmail.com	IT	9797	2019-09-24
john	fredrick	johnfredrick@guvi.com	ADMIN	7315	2014-03-20
vignesh	viswanth	vigneshviswanth@gmail.com	FINANCE	4548	2020-03-19
manian	sundar	maniansundar@guvi.com	NETWORK	1288	2016-11-17
divya	ganesh	divyaganesh@gmail.com	HR	9133	1999-06-11
udhay	kumar	udhaykumar@gmail.com	ADMIN	8728	2014-05-02
uday	chandran	udaychandran@guvi.com	FINANCE	9560	1998-05-29
nisha	manian	nishamanian@guvi.com	HR	2673	1998-03-12
dhalia	sagayaraj	dhaliasagayaraj@gmail.com	IT	5094	2020-07-21
nancy	flora	nancyflora@guvi.com	ADMIN	1539	2007-11-09
victor	winifred	victorwinifred@gmail.com	FINANCE	9948	2001-11-21
sai	eeswar	saieeswar@guvi.com	NETWORK	6980	2016-07-07
vimal	r	vimalr@gmail.com	HR	2013	2021-09-13
karthick	sundar	karthicksundar@gmail.com	ADMIN	901	2002-07-25
saranya	uday	saranyauday@guvi.com	FINANCE	5547	2003-08-13
muffrj	ismail	muffrjismail@gmail.com	NETWORK	4429	2015-02-05
hema	latha	hemalatha@guvi.com	IT	8909	1999-06-22
shanumga	vinayaga	shanumgavinayaga@gmail.com	ADMIN	3580	2015-11-02

#### Q2: Query: SELECT FROM `worker` WHERE first name like '%h'and length(first name)=6; Result: Showing rows 0 - 2 (3 total, Query took 0.0005 seconds.) SELECT \* FROM `worker` WHERE first\_name like '%h'and length(first\_name)=6; Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh] ☐ Show all Search this table Number of rows: 25 🕶 Filter rows: Extra options first name last name email department salary join date ramesh johny rameshjohny@guvi.com 951 2018-01-16 rameshyaethoonu@guvi.com IT 4332 2000-08-03 ramesh yaethoonu shanmuga rameshshanmuga@guvi.com FINANCE 8260 2021-09-23 ramesh

# Q3:

# Query:

select \* from worker where email=CONCAT(first\_name, last\_name, "@guvi.com");

# Showing rows 0 - 26 (27 total, Query took 0.0007 seconds.)

select \* from worker where email=CONCAT(first\_name,last\_name,"@guvi.com");

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

☐ Show all | Number of rows:

100 🕶

Filter rows:

Search this table

# Extra options

first_name	last_name	email	department	salary	join_date
sree	varshini	sreevarshini@guvi.com	HR	2866	2003-10-20
john	fredrick	johnfredrick@guvi.com	ADMIN	7315	2014-03-20
manian	sundar	maniansundar@guvi.com	NETWORK	1288	2016-11-17
ramesh	johny	rameshjohny@guvi.com	IT	951	2018-01-16
uday	chandran	udaychandran@guvi.com	FINANCE	9560	1998-05-29
nisha	manian	nishamanian@guvi.com	HR	2673	1998-03-12
nancy	flora	nancyflora@guvi.com	ADMIN	1539	2007-11-09
sai	eeswar	saieeswar@guvi.com	NETWORK	6980	2016-07-07
ramesh	yaethoonu	rameshyaethoonu@guvi.com	IT	4332	2000-08-03
saranya	uday	saranyauday@guvi.com	FINANCE	5547	2003-08-13
santosh	sravan	santoshsravan@guvi.com	HR	4166	2017-01-26
hema	latha	hemalatha@guvi.com	IT	8909	1999-06-22
ramesh	shanmuga	rameshshanmuga@guvi.com	FINANCE	8260	2021-09-23
mohammed	allah	mohammedallah@guvi.com	HR	5420	2018-03-27
krishna	kumar	krishnakumar@guvi.com	ADMIN	8355	2008-11-24
saravana	kumar	saravanakumar@guvi.com	NETWORK	5578	1998-11-04
Chelsea	Wright	ChelseaWright@guvi.com	IT	7779	1999-10-01
Alexander	Miller	AlexanderMiller@guvi.com	FINANCE	8605	2000-09-08
Amelia	Crawford	AmeliaCrawford@guvi.com	HR	9529	2010-06-17
Jordan	Montgomery	JordanMontgomery@guvi.com	ADMIN	3449	2011-08-25
Vivian	Fowler	VivianFowler@guvi.com	NETWORK	9067	2011-01-27
Console	Richards	SofiaRichards@guvi.com	ІТ	5903	2016-04-28

# Task 6:

Q1:

#### Query:

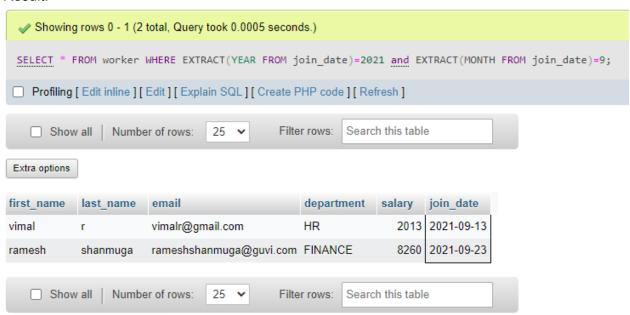
SELECT \* FROM worker WHERE EXTRACT(YEAR FROM join\_date) = 2021 and EXTRACT(MONTH
FROM join date) = 3;

#### Result:



Query: (since i have no data for the month March, no records were fetched. I will run another query with 9th month)

SELECT \* FROM worker WHERE EXTRACT(YEAR FROM join\_date) = 2021 and EXTRACT(MONTH
FROM join\_date) = 9;



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Q2:
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# Query:

SELECT first\_name, last\_name, COUNT(\*) FROM worker GROUP BY first\_name,
last\_name HAVING COUNT(\*) > 1;

# Result:



#### Q3:

#### Query:

delete from employee where s\_no in ( SELECT s\_no FROM (SELECT s\_no,
ROW\_NUMBER() OVER (PARTITION BY
first\_name,last\_name,email,department,salary,join\_date ORDER BY
first\_name,last\_name,email,department,salary,join\_date) AS row\_num FROM
employee) AS a WHERE row num>1);

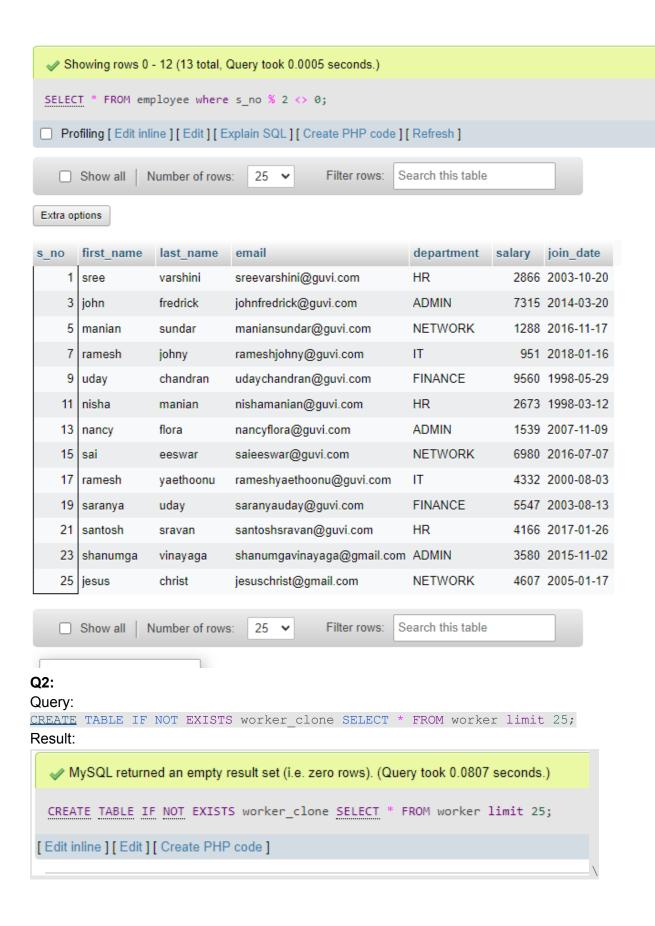
# Result:

# Task 7:

# Q1:

#### Query:

SELECT \* FROM employee where s no % 2 <> 0;

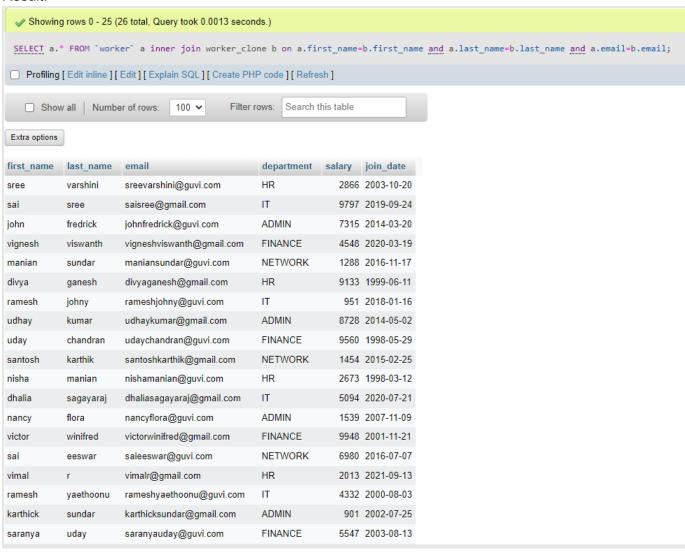


#### Task 8:

#### Q1:

#### Query:

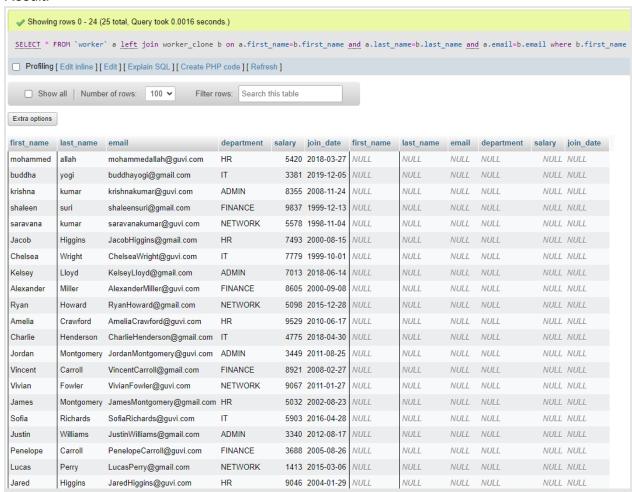
SELECT a.\* FROM `worker` a inner join worker\_clone b on a.first name=b.first name and a.last name=b.last name and a.email=b.email;



#### Q2:

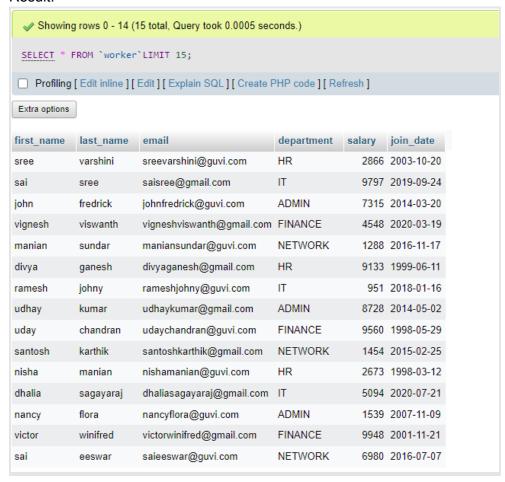
# Query:

SELECT \* FROM `worker` a left join worker\_clone b on a.first\_name=b.first\_name and a.last name=b.last name and a.email=b.email where b.first name is null;



# Task 9: Q1: Query: SELECT \* FROM `worker`LIMIT 15;

#### Result:



# Q2:

# Query:

select \* from worker order by salary desc LIMIT 9,1;

#### Result:

Vincent

Carroll



8921 2008-02-27

VincentCarroll@gmail.com FINANCE

# **Task 10:**

#### Q1:

# Query:

SELECT first\_name, salary FROM worker AS emp1 WHERE 8-1 = (SELECT
COUNT(DISTINCT salary) FROM worker AS emp2 WHERE emp2.salary > emp1.salary);

#### Result:



# Q2:

# Query:

select \* from worker where salary in (select salary from worker group by salary having count(1) > 1);

#### Result



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