--- SUNEET_PAUL_SINGH ---

--- QUESTION_1 ---

/*Create a database named company */

--- answer_1 ---

```
create database company ;

use company;

/*Create a table named employees1 */
create table employees1(
id int  Primary Key  Auto_Increment,
name VARCHAR(100),
position VARCHAR(100),
salary DECIMAL(10,2),
date_of_joining DATE
);
```

--- QUESTION_2 ---

/*Insert data into the employees1 table:*/

--- answer_2 ---

```
/*name= John Doe, position= Manager, salary=  55000.00, date_of_joining= 2020-01-15 */
insert into employees1( name , position, salary , date_of_joining)
values ("John Doe"        , "Manager"                  , 55000.00," 2020-01-15");
```

```
/*name= Jane Smith, position= Developer, salary=  48000.00, date_of_joining=
2019-07-10 */

insert into employees1( name , position, salary , date_of_joining)

values ("Jane Smith"                , "Developer"     , 48000.00, "2019-07-10");


/*name=Alice Johnson,, position= Designer, salary=  45000.00, date_of_joining=
2021-03-22*/

insert into employees1( name , position, salary , date_of_joining)

values ("Alice Johnson"  , "Designer"       , 45000.00, "2021-03-22");


/* name= Bob Brown position= Developer, salary=  50000.00, date_of_joining=
2018-11-01 */

insert into employees1( name , position, salary , date_of_joining)

values("Bob Brown"                , "Developer"     , 50000.00, "2018-11-01");


/*check all data inserted*/

select * from employees1;
```

	first_name	last_name	department	salary	hire_date
▶	john	doe	it	60000	2019-01-10
	jane	smith	HR	55000	2018-03-05
	emily	jones	IT	62000	2020-07-23
	michael	brown	FINANCE	70000	2016-05-14
	sarh	davis	FINANCE	69000	2017-11-18
	david	johnson	HR	48000	2021-09-10

```
---        QUESTION_3 ---

/*Write a query to retrieve all employees1 who are Developers.*/

---        answer_3 ---

select * from employees1 where position ="Developer";
```

id	name	position	salary	date_of_joining
2	Jane Smith	Developer	48000.00	2019-07-10
4	Bob Brown	Developer	50000.00	2018-11-01
NULL	NULL	NULL	NULL	NULL

```
set sql_safe_updates=0;

---	QUESTION_4 ---

		/*Write a query to update the salary of Alice Johnson to 46000.00.*/

---	answer_4 ---

update employees1

set salary=46000.00 where name ="Alice Johnson";

---	QUESTION_5 ---

		/*Write a query to delete the employee record for Bob Brown.*/

---	answer_5 ---

delete from employees1 where name = "Bob Brown";

---	QUESTION_6 ---

		/*Write a query to find the employees1 who have a salary greater than 48000.*/

---	answer_6 ---

select * from employees1 where salary < 48000;
```

id	name	position	salary	date_of_joining
3	Alice Johnson	Designer	46000.00	2021-03-22
NULL	NULL	NULL	NULL	NULL

--- QUESTION_7 ---

/*Write a query to add a new column email to the employees1 table.*/

--- answer_7 ---

```
Alter table employees1 add email varchar(100);
```

--- QUESTION_8 ---

/*Write a query to update the email for John Doe to john.doe@company.com.*/

--- answer_8 ---

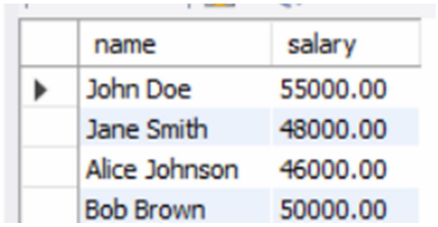
```
update employees1
set email =" john.doe@company.com" where name ="John Doe";
```

--- QUESTION_9 ---

/*Write a query to retrieve only the name and salary of all employees1.*/

--- answer_9 ---

```
select name ,salary from employees1;
```



name	salary
John Doe	55000.00
Jane Smith	48000.00
Alice Johnson	46000.00
Bob Brown	50000.00

--- QUESTION_10 ---

/*Write a query to count the number of employees1 who joined after January 1, 2020.*/

--- answer_10 ---

```
select count(*) from employees1 where date_of_joining > "2020-01-01";
```

Result Grid

	count(*)
▶	2

--- QUESTION_11 ---

/*Write a query to order the employees1 by salary in descending order.*/

--- answer_11 ---

```
select * from employees1 order by salary desc;
```

	id	name	position	salary	date_of_joining	email
▶	1	John Doe	Manager	55000.00	2020-01-15	john.doe@company.com
	4	Bob Brown	Developer	50000.00	2018-11-01	NULL
	2	Jane Smith	Developer	48000.00	2019-07-10	NULL
	3	Alice Johnson	Designer	46000.00	2021-03-22	NULL
*	NULL	NULL	NULL	NULL	NULL	NULL

--- QUESTION_12 ---

/*Write a query to drop the email column from the employees1 table.*/

--- answer_12 ---

```
ALTER TABLE employees1 DROP email;
```

--- QUESTION_13 ---

/*Write a query to find the employee with the highest salary.*/

--- answer_13 ---

```
select * from employees11 order by salary desc  limit 1;
```

	first_name	last_name	department	salary	hire_date
▶	michael	brown	FINANCE	70000	2016-05-14