

Name: ZOHAIB HASSAN SOOMRO

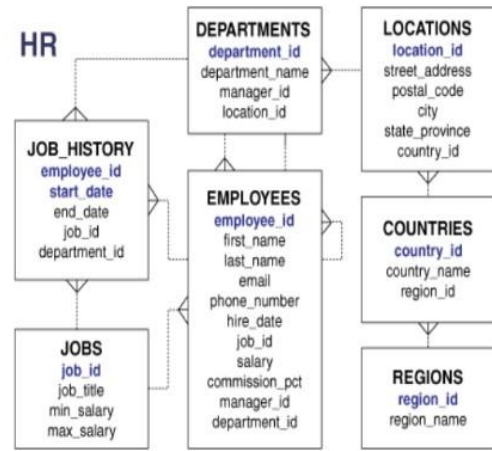
RollNo#: 19SW42

Subject: DBS

## TASK A

### I. Generating new email address

1. For each employee, display the first name, last name, and email address. The email address will be composed from the first letter of first name, concatenated with the three first letters of last name, concatenated with *@abc.com*.
1. For each employee, display the first name, last name, and email address. The email address will be composed from the first letter of first name, concatenated with the three last letters of last name, concatenated with *@abc.com*.



### INSERTED RECORDS IN EMPLOYEE TABLE

Worksheet    Query Builder											
SELECT * FROM employees;											
Query Result    All Rows Fetched: 4 in 0.003 seconds											
	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
1	1	Zohaib	Hassan	(null)	(null)	(null)	(null)	2000	(null)	(null)	(null)
2	2	Muhammad	Uzair	(null)	(null)	(null)	(null)	4000	(null)	(null)	(null)
3	3	Syed	Ahmad Shah	(null)	(null)	(null)	(null)	2560	(null)	(null)	(null)
4	4	Wali	Muhammad	(null)	(null)	(null)	(null)	3000	(null)	(null)	(null)

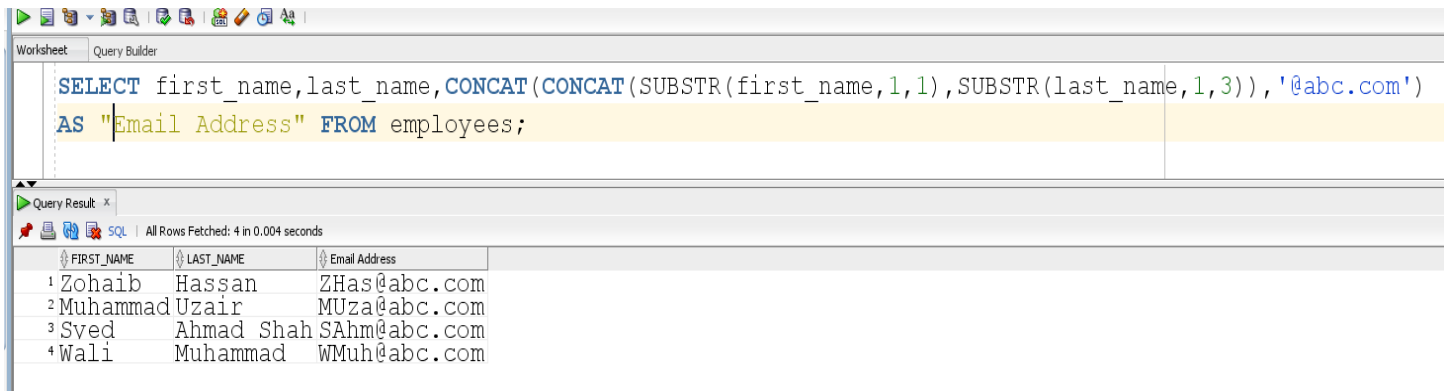
### 1. Task #1

Query:

**SELECT**

**first\_name,last\_name,CONCAT(CONCAT(SUBSTR(first\_name,1,1),SUBSTR(last\_name,1,3)), '@abc.com') AS "Email Address" FROM employees;**

**Output:**



The screenshot shows a database query editor with a toolbar at the top. The main window is titled 'Query Builder' and contains the following SQL query:

```
SELECT first_name,last_name,CONCAT(CONCAT(SUBSTR(first_name,1,1),SUBSTR(last_name,1,3)), '@abc.com')
AS "Email Address" FROM employees;
```

Below the query editor, the 'Query Result' tab is active, showing the results of the query. The status bar indicates 'All Rows Fetched: 4 in 0.004 seconds'. The results are displayed in a table with three columns: FIRST\_NAME, LAST\_NAME, and Email Address.

	FIRST_NAME	LAST_NAME	Email Address
1	Zohaib	Hassan	ZHas@abc.com
2	Muhammad	Uzair	MUza@abc.com
3	Syed	Ahmad Shah	SAhm@abc.com
4	Wali	Muhammad	WMuh@abc.com

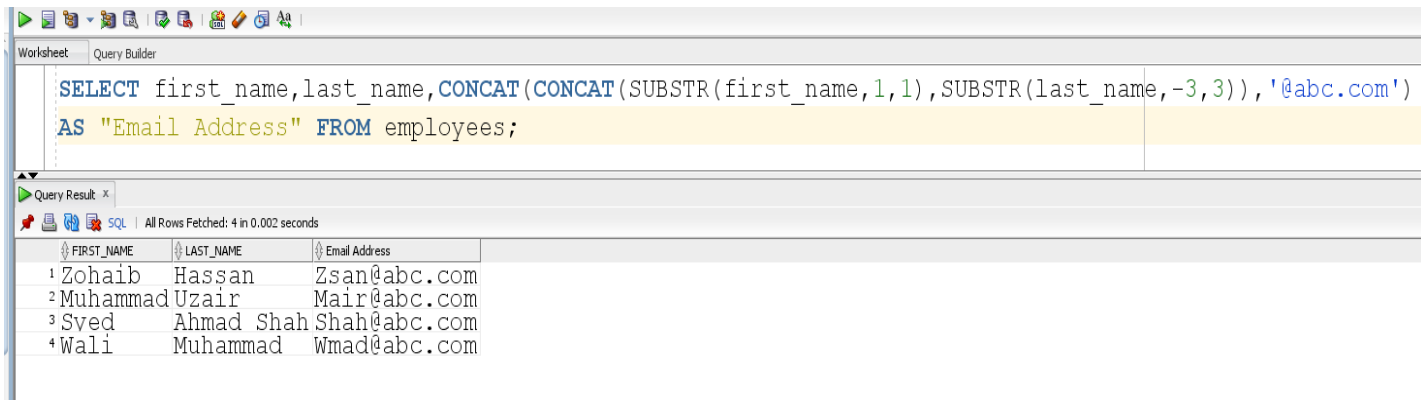
## 2. Task #2

**Query:**

**SELECT**

**first\_name,last\_name,CONCAT(CONCAT(SUBSTR(first\_name,1,1),SUBSTR(last\_name,-3,3)), '@abc.com') AS "Email Address" FROM employees;**

**Output:**



The screenshot shows a database query editor with a toolbar at the top. The main window is titled 'Query Builder' and contains the following SQL query:

```
SELECT first_name,last_name,CONCAT(CONCAT(SUBSTR(first_name,1,1),SUBSTR(last_name,-3,3)), '@abc.com')
AS "Email Address" FROM employees;
```

Below the query editor, the 'Query Result' tab is active, showing the results of the query. The status bar indicates 'All Rows Fetched: 4 in 0.002 seconds'. The results are displayed in a table with three columns: FIRST\_NAME, LAST\_NAME, and Email Address.

	FIRST_NAME	LAST_NAME	Email Address
1	Zohaib	Hassan	Zsan@abc.com
2	Muhammad	Uzair	Mair@abc.com
3	Syed	Ahmad Shah	Shah@abc.com
4	Wali	Muhammad	Wmad@abc.com