

## Task 01 :

Write a Query using “As” for extracting specific data from a Table.

### (Query Text)

```
Select Name+Father_Name As Full_Name from Computer_Science
```

### (Query Output)

Results		Messages	
	Full_Name		
1	HasnainKashif	15	QasimAnfaal
2	AhmedAsghar	16	GhazanfarMas...
3	WajihShah	17	HashamShani
4	HaziqAsrar	18	Babarshah
5	MehmoodUsha	19	YawarShafi
6	FarooqNajaf	20	Farhaanakhtar
7	RehanHameed	21	SadiqHussain
8	YaseerKadwani	22	JawadIbrar
9	JunejoSaddam	23	SalarShah
10	WaqasMaqsood	24	ShahidKhanewal
11	AmmarAshraf	25	KashanShani
12	FardeenAlvi		
13	AzfarWaheed		
14	JahanHammad		

✓ Query executed successfully.

### (Query Text)

```
Select Name,batch As [Year of Enrollment] from Computer_Science
```

### (Query Output)

Results

Messages

	Name	Year of Enrollment
1	Hasnain	2017
2	Ahmed	2020
3	Wajih	2019
4	Haziq	2021
5	Mehmood	2015
6	Farooq	2021
7	Rehan	2022
8	Yaseer	2018
9	Junejo	2021

11	Ammar	2019
12	Fardeen	2022
13	Azfar	2021
14	Jahan	2016
15	Qasim	2020
16	Ghazanfar	2014
17	Hasham	2017
18	Babar	2020
19	Yawar	2020

20	Farhaan	2011
21	Sadiq	2021

✓

Query executed successfully.

## Task 02 :

Write a Query using “Update” for Changing specific data from a Table.

### (Query Text)

Update Computer\_Science Set batch = '2022' where id = 22

### (Query Output)

The screenshot displays a database query execution window. At the top, a message pane shows "(1 row affected)" and the completion time "2022-04-17T22:20:18.3698491+05:00". Below this, a yellow status bar indicates "Query executed successfully." with system details: "HP-PROBOOK-655- (15.0 RTM) | Workspaceadt (51) | FCIT | 00:00:00 | 0 rows". The main area shows a table with the following data:

22	22	Jawad	lbrar	cs	4	2.12	2022	Jawad@gmail.com
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Below the table, another yellow status bar shows "Query executed successfully." with system details: "HP-PROBOOK-655- (15.0 RTM) | Workspaceadt (51) | FCIT | 00:00:00 | 25 rows".

### (Query Text)

Update Computer\_Science Set Department = 'se', Semester = 6 where id = 12

### (Query Output)

The screenshot displays a database query execution window. At the top, a message pane shows "(1 row affected)" and the completion time "2022-04-17T22:35:01.8877342+05:00". Below this, a yellow status bar indicates "Query executed successfully." with system details: "HP-PROBOOK-655- (15.0 RTM) | Workspaceadt (51) | FCIT | 00:00:00 | 0 rows".

12	12	Fardeen	Alvi	se	6	3.11	2022	fardeen@gmail.com	
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Query executed successfully. HP-PROBOOK-655- (15.0 RTM) Workspaceadt (51) FCIT 00:00:00 25 rows

### Task 03 :

Write a Query using “Like” for fetching specific data from a Table.

#### (Query Text)

Select \* from Computer\_Science where Name like 's%'

#### (Query Output)

	Id	Name	Father_Name	Department	Semester	gpa	batch	email_id
1	21	Sadiq	Hussain	se	6	2.22	2021	sadiq@gmail.com
2	23	Salar	Shah	se	6	3.76	2018	Salar@gmail.com
3	24	Shahid	Khanewal	cs	5	4	2011	Shahid@gmail.com

Query executed successfully. HP-PROBOOK-655- (15.0 RTM) Workspaceadt (51) FCIT 00:00:00 3 rows

#### (Query Text)

Select \* from Computer\_Science where Name like '%r'

#### (Query Output)

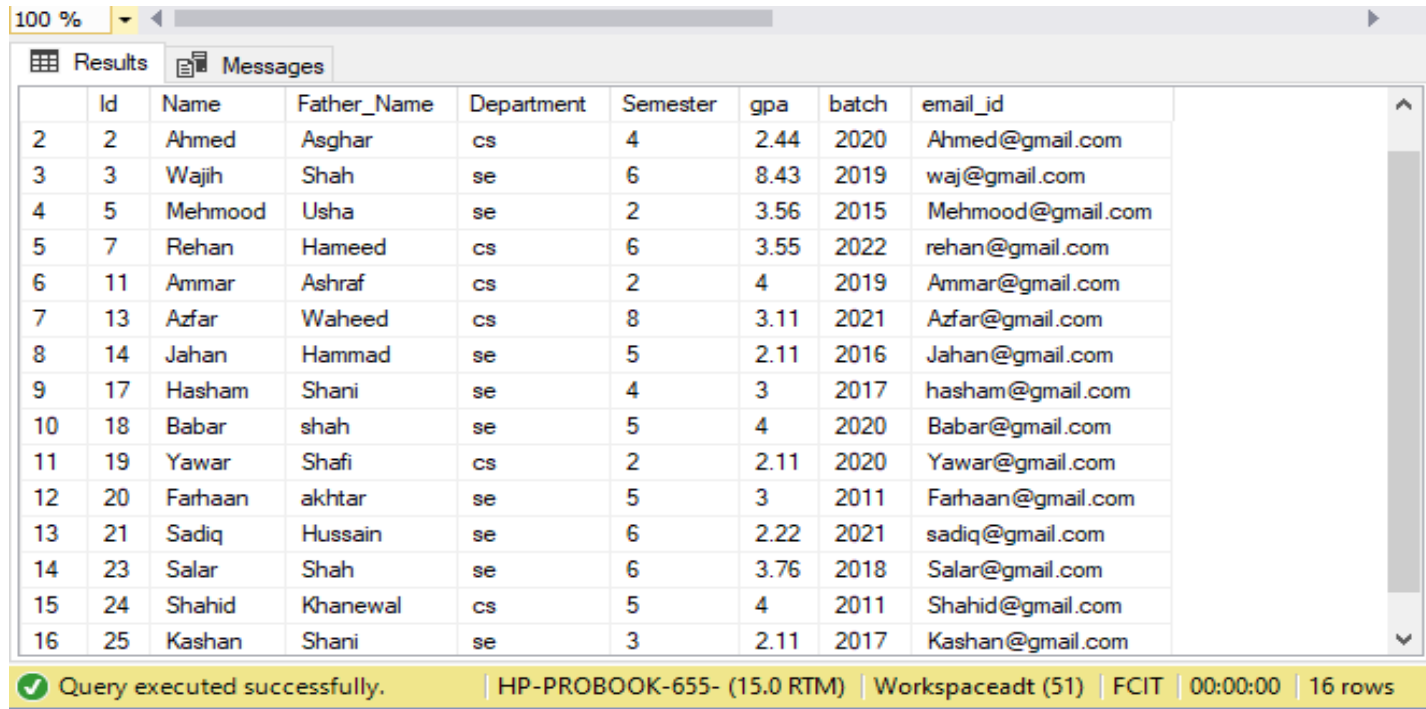
	Id	Name	Father_Name	Department	Semester	gpa	batch	email_id
1	8	Yaseer	Kadwani	se	2	4	2018	Yas@gmail.com
2	11	Ammar	Ashraf	cs	2	4	2019	Ammar@gmail.com
3	13	Azfar	Waheed	cs	8	3.11	2021	Azfar@gmail.com
4	16	Ghaz...	Masroor	cs	3	4	2014	ghazanfar@gmail.com
5	18	Babar	shah	se	5	4	2020	Babar@gmail.com
6	19	Yawar	Shafi	cs	2	2.11	2020	Yawar@gmail.com
7	23	Salar	Shah	se	6	3.76	2018	Salar@gmail.com

Query executed successfully. HP-PROBOOK-655- (15.0 RTM) Workspaceadt (51) FCIT 00:00:00 7 rows

#### (Query Text)

Select \* from Computer\_Science where Father\_Name like '%h%'

### (Query Output)



100 %

Results Messages

	Id	Name	Father_Name	Department	Semester	gpa	batch	email_id
2	2	Ahmed	Asghar	cs	4	2.44	2020	Ahmed@gmail.com
3	3	Wajih	Shah	se	6	8.43	2019	waj@gmail.com
4	5	Mehmood	Usha	se	2	3.56	2015	Mehmood@gmail.com
5	7	Rehan	Hameed	cs	6	3.55	2022	rehan@gmail.com
6	11	Ammar	Ashraf	cs	2	4	2019	Ammar@gmail.com
7	13	Azfar	Waheed	cs	8	3.11	2021	Azfar@gmail.com
8	14	Jahan	Hammad	se	5	2.11	2016	Jahan@gmail.com
9	17	Hasham	Shani	se	4	3	2017	hasham@gmail.com
10	18	Babar	shah	se	5	4	2020	Babar@gmail.com
11	19	Yawar	Shafi	cs	2	2.11	2020	Yawar@gmail.com
12	20	Farhaan	akhtar	se	5	3	2011	Farhaan@gmail.com
13	21	Sadiq	Hussain	se	6	2.22	2021	sadiq@gmail.com
14	23	Salar	Shah	se	6	3.76	2018	Salar@gmail.com
15	24	Shahid	Khanewal	cs	5	4	2011	Shahid@gmail.com
16	25	Kashan	Shani	se	3	2.11	2017	Kashan@gmail.com

Query executed successfully. | HP-PROBOOK-655- (15.0 RTM) | Workspaceadt (51) | FCIT | 00:00:00 | 16 rows

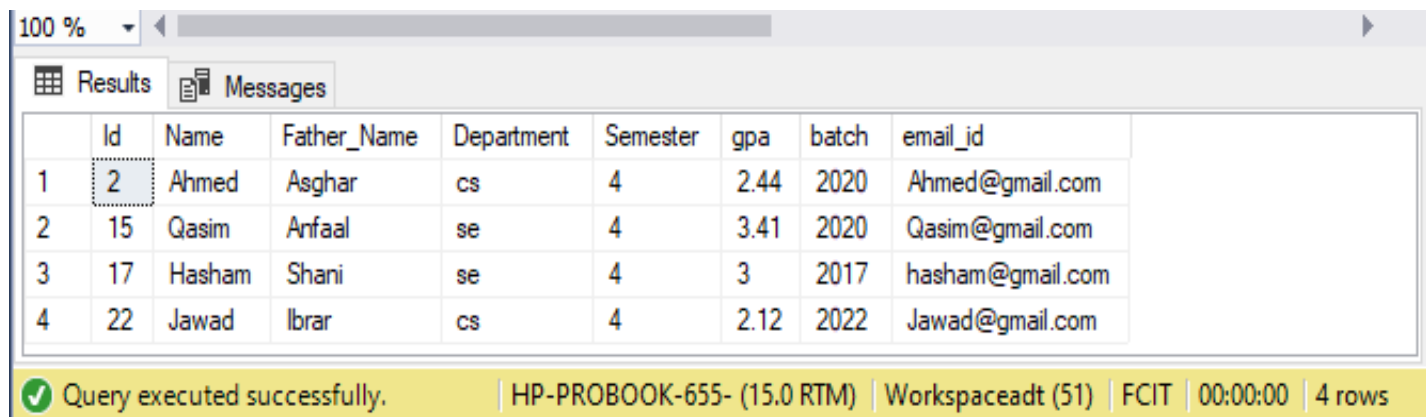
### Task 04 :

Write a Query using “Where” for fetching specific data from a Table.

### (Query Text)

```
Select * from Computer_Science where Semester=4
```

### (Query Output)



100 %

Results Messages

	Id	Name	Father_Name	Department	Semester	gpa	batch	email_id
1	2	Ahmed	Asghar	cs	4	2.44	2020	Ahmed@gmail.com
2	15	Qasim	Anfaal	se	4	3.41	2020	Qasim@gmail.com
3	17	Hasham	Shani	se	4	3	2017	hasham@gmail.com
4	22	Jawad	Ibrar	cs	4	2.12	2022	Jawad@gmail.com

Query executed successfully. | HP-PROBOOK-655- (15.0 RTM) | Workspaceadt (51) | FCIT | 00:00:00 | 4 rows

