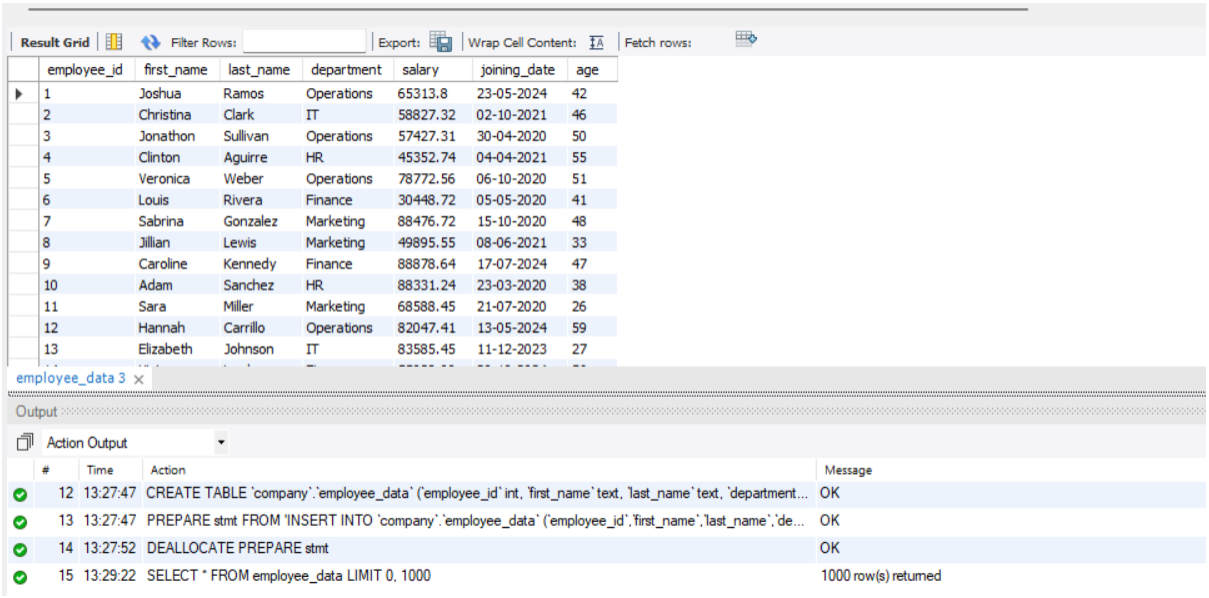
SQL OUTPUT

```
create database company;

use company;

SELECT * FROM employee_data;
```



Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

employee_id	first_name	last_name	department	salary	joining_date	age
1	Joshua	Ramos	Operations	65313.8	23-05-2024	42
2	Christina	Clark	IT	58827.32	02-10-2021	46
3	Jonathon	Sullivan	Operations	57427.31	30-04-2020	50
4	Clinton	Aguirre	HR	45352.74	04-04-2021	55
5	Veronica	Weber	Operations	78772.56	06-10-2020	51
6	Louis	Rivera	Finance	30448.72	05-05-2020	41
7	Sabrina	Gonzalez	Marketing	88476.72	15-10-2020	48
8	Jillian	Lewis	Marketing	49895.55	08-06-2021	33
9	Caroline	Kennedy	Finance	88878.64	17-07-2024	47
10	Adam	Sanchez	HR	88331.24	23-03-2020	38
11	Sara	Miller	Marketing	68588.45	21-07-2020	26
12	Hannah	Carrillo	Operations	82047.41	13-05-2024	59
13	Elizabeth	Johnson	IT	83585.45	11-12-2023	27

employee_data 3

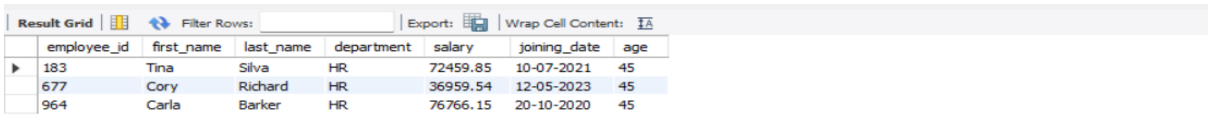
Output

Action Output

#	Time	Action	Message
12	13:27:47	CREATE TABLE `company`.`employee_data` (`employee_id` int, `first_name` text, `last_name` text, `department`...	OK
13	13:27:47	PREPARE stmt FROM 'INSERT INTO `company`.`employee_data` (`employee_id`,`first_name`,`last_name`,`de...	OK
14	13:27:52	DEALLOCATE PREPARE stmt	OK
15	13:29:22	SELECT * FROM employee_data LIMIT 0, 1000	1000 row(s) returned

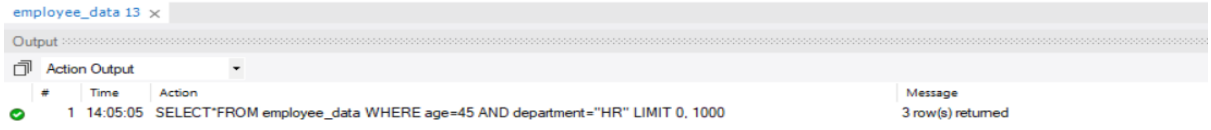
```
SELECT*FROM employee_data WHERE age=40;

SELECT*FROM employee_data WHERE salary<=50000;

SELECT*FROM employee_data WHERE
department="HR";

SELECT*FROM employee_data WHERE
joining_date='04-04-2021';
```

SELECT*FROM employee_data WHERE age=45 AND department="HR";



Result Grid | Filter Rows: | Export: | Wrap Cell Content:

employee_id	first_name	last_name	department	salary	joining_date	age
183	Tina	Silva	HR	72459.85	10-07-2021	45
677	Cory	Richard	HR	36959.54	12-05-2023	45
964	Carla	Barker	HR	76766.15	20-10-2020	45

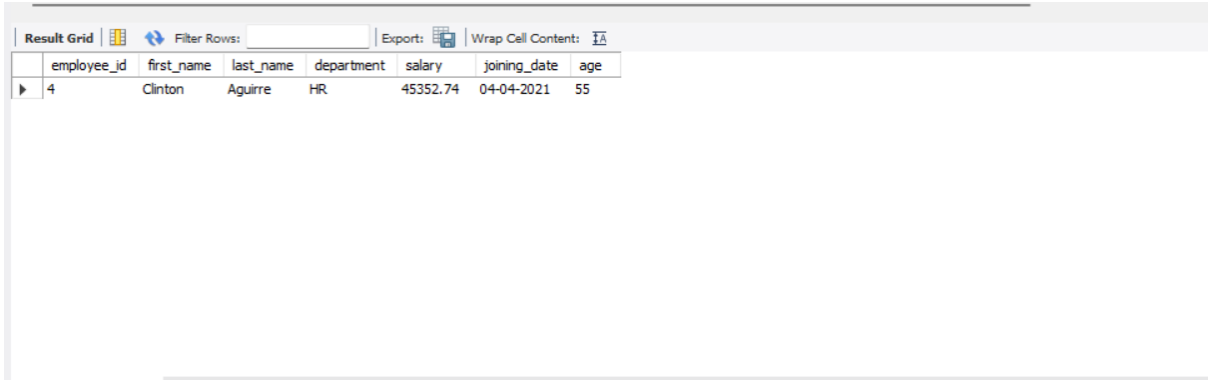


employee_data 13

Output

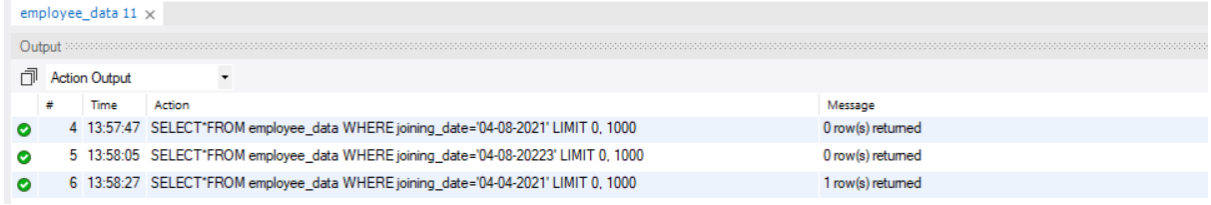
Action Output

#	Time	Action	Message
1	14:05:05	SELECT*FROM employee_data WHERE age=45 AND department="HR" LIMIT 0, 1000	3 row(s) returned



Result Grid | Filter Rows: | Export: | Wrap Cell Content:

employee_id	first_name	last_name	department	salary	joining_date	age
4	Clinton	Aguirre	HR	45352.74	04-04-2021	55

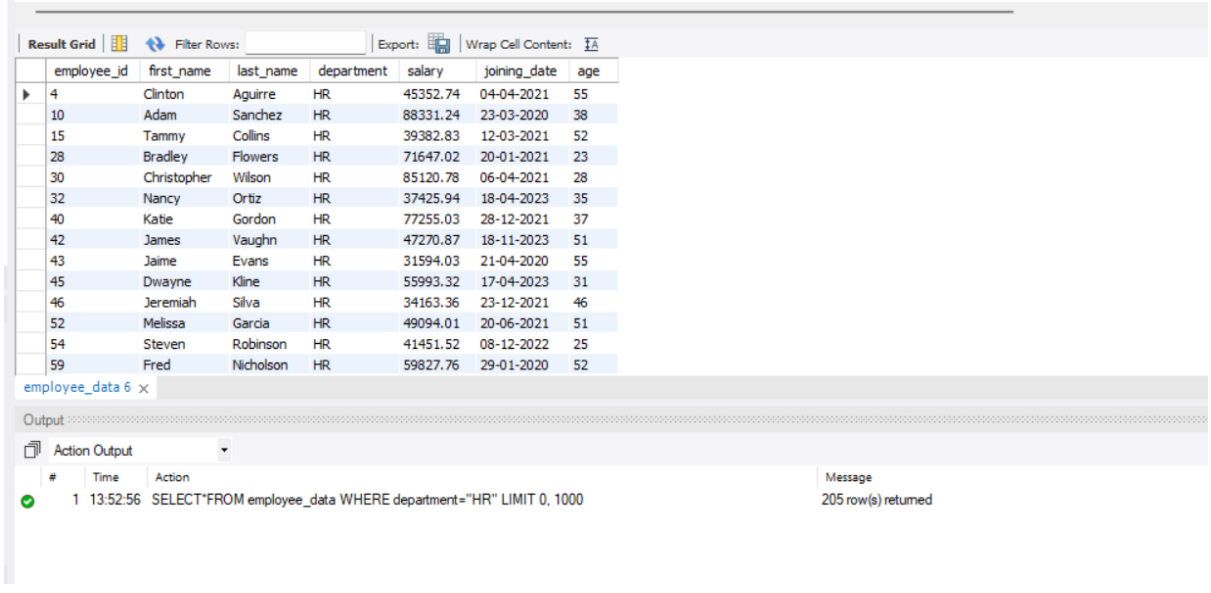


employee_data 11

Output

Action Output

#	Time	Action	Message
4	13:57:47	SELECT*FROM employee_data WHERE joining_date='04-08-2021' LIMIT 0, 1000	0 row(s) returned
5	13:58:05	SELECT*FROM employee_data WHERE joining_date='04-08-20223' LIMIT 0, 1000	0 row(s) returned
6	13:58:27	SELECT*FROM employee_data WHERE joining_date='04-04-2021' LIMIT 0, 1000	1 row(s) returned



Result Grid | Filter Rows: | Export: | Wrap Cell Content:

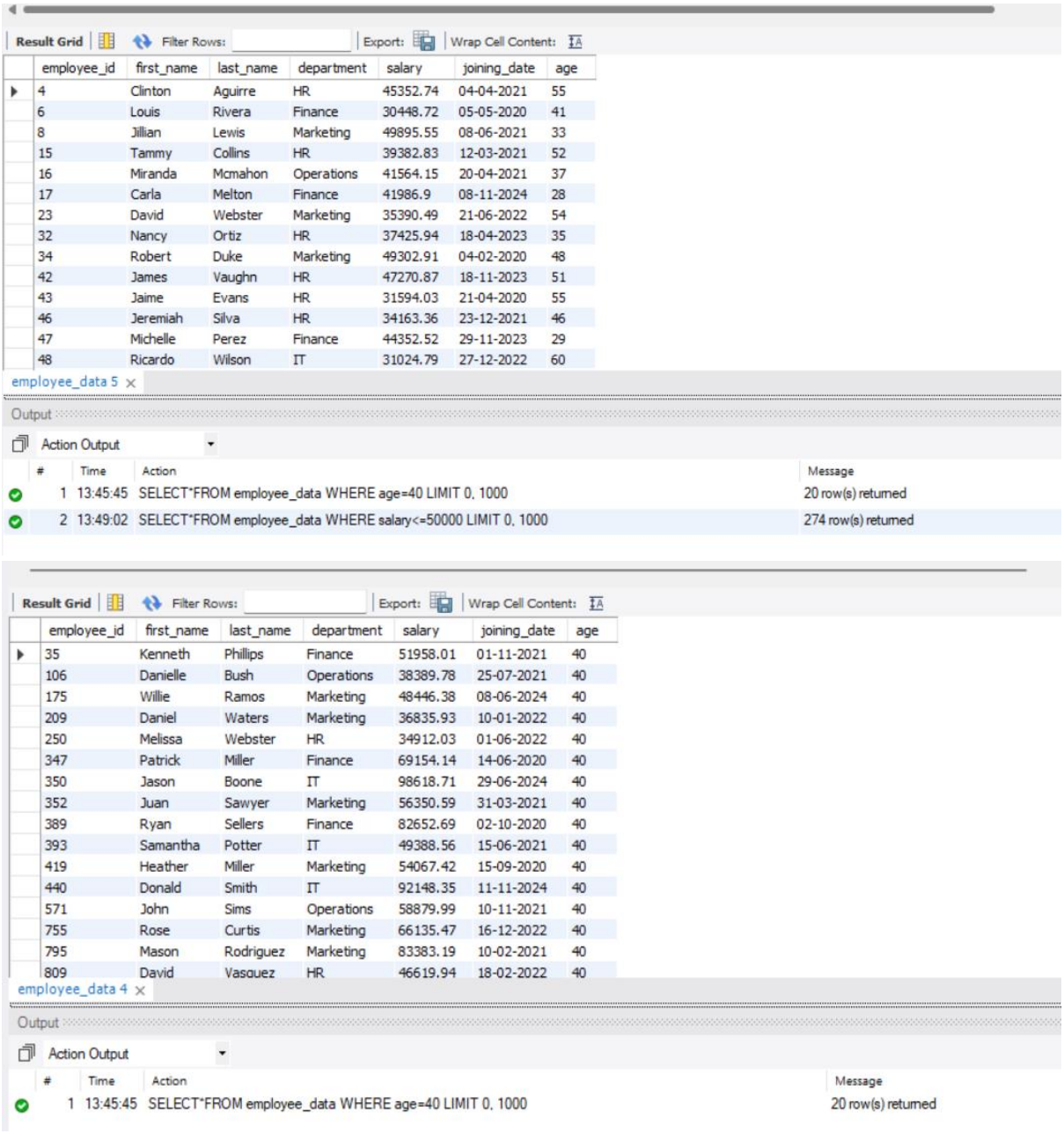
employee_id	first_name	last_name	department	salary	joining_date	age
4	Clinton	Aguirre	HR	45352.74	04-04-2021	55
10	Adam	Sanchez	HR	88331.24	23-03-2020	38
15	Tammy	Collins	HR	39382.83	12-03-2021	52
28	Bradley	Flowers	HR	71647.02	20-01-2021	23
30	Christopher	Wilson	HR	85120.78	06-04-2021	28
32	Nancy	Ortiz	HR	37425.94	18-04-2023	35
40	Katie	Gordon	HR	77255.03	28-12-2021	37
42	James	Vaughn	HR	47270.87	18-11-2023	51
43	Jaime	Evans	HR	31594.03	21-04-2020	55
45	Dwayne	Kline	HR	55993.32	17-04-2023	31
46	Jeremiah	Silva	HR	34163.36	23-12-2021	46
52	Melissa	Garcia	HR	49094.01	20-06-2021	51
54	Steven	Robinson	HR	41451.52	08-12-2022	25
59	Fred	Nicholson	HR	59827.76	29-01-2020	52

employee_data 6

Output

Action Output

#	Time	Action	Message
1	13:52:56	SELECT*FROM employee_data WHERE department="HR" LIMIT 0, 1000	205 row(s) returned



Result Grid | Filter Rows: | Export: | Wrap Cell Content:

employee_id	first_name	last_name	department	salary	joining_date	age
4	Clinton	Aguirre	HR	45352.74	04-04-2021	55
6	Louis	Rivera	Finance	30448.72	05-05-2020	41
8	Jillian	Lewis	Marketing	49895.55	08-06-2021	33
15	Tammy	Collins	HR	39382.83	12-03-2021	52
16	Miranda	Mcmahon	Operations	41564.15	20-04-2021	37
17	Carla	Melton	Finance	41986.9	08-11-2024	28
23	David	Webster	Marketing	35390.49	21-06-2022	54
32	Nancy	Ortiz	HR	37425.94	18-04-2023	35
34	Robert	Duke	Marketing	49302.91	04-02-2020	48
42	James	Vaughn	HR	47270.87	18-11-2023	51
43	Jaime	Evans	HR	31594.03	21-04-2020	55
46	Jeremiah	Silva	HR	34163.36	23-12-2021	46
47	Michelle	Perez	Finance	44352.52	29-11-2023	29
48	Ricardo	Wilson	IT	31024.79	27-12-2022	60

employee_data 5

Output

Action Output

#	Time	Action	Message
1	13:45:45	SELECT*FROM employee_data WHERE age=40 LIMIT 0, 1000	20 row(s) returned
2	13:49:02	SELECT*FROM employee_data WHERE salary<=50000 LIMIT 0, 1000	274 row(s) returned

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

employee_id	first_name	last_name	department	salary	joining_date	age
35	Kenneth	Phillips	Finance	51958.01	01-11-2021	40
106	Danielle	Bush	Operations	38389.78	25-07-2021	40
175	Willie	Ramos	Marketing	48446.38	08-06-2024	40
209	Daniel	Waters	Marketing	36835.93	10-01-2022	40
250	Melissa	Webster	HR	34912.03	01-06-2022	40
347	Patrick	Miller	Finance	69154.14	14-06-2020	40
350	Jason	Boone	IT	98618.71	29-06-2024	40
352	Juan	Sawyer	Marketing	56350.59	31-03-2021	40
389	Ryan	Sellers	Finance	82652.69	02-10-2020	40
393	Samantha	Potter	IT	49388.56	15-06-2021	40
419	Heather	Miller	Marketing	54067.42	15-09-2020	40
440	Donald	Smith	IT	92148.35	11-11-2024	40
571	John	Sims	Operations	58879.99	10-11-2021	40
755	Rose	Curtis	Marketing	66135.47	16-12-2022	40
795	Mason	Rodriguez	Marketing	83383.19	10-02-2021	40
809	David	Vasquez	HR	46619.94	18-02-2022	40

employee_data 4

Output

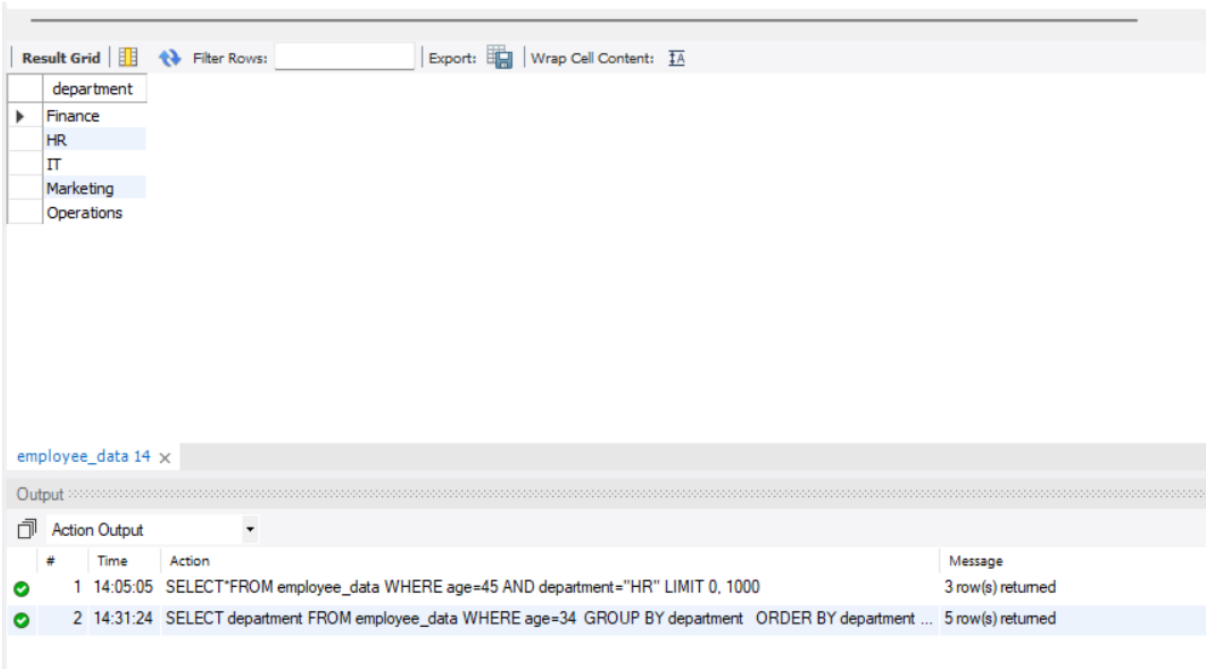
Action Output

#	Time	Action	Message
1	13:45:45	SELECT*FROM employee_data WHERE age=40 LIMIT 0, 1000	20 row(s) returned

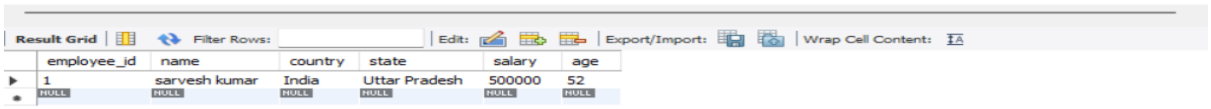
SELECT department FROM employee_data WHERE age=34

GROUP BY department

ORDER BY department ASC;




```
CREATE TABLE employee_data2(
 employee_id INT PRIMARY KEY ,
name VARCHAR(50),
country VARCHAR(30),
state VARCHAR(20),
salary INT,
age INT NOT NULL
);
```



employee_id	name	country	state	salary	age
1	sarvesh kumar	India	Uttar Pradesh	500000	52
NULL	NULL	NULL	NULL	NULL	NULL

employee_data2 15

Output

Action Output

#	Time	Action	Message
4	15:27:39	CREATE TABLE employee_data2(employee_id INT PRIMARY KEY , name VARCHAR(50), country VARCHA...	0 row(s) affected
5	15:30:59	INSERT INTO employee_data2 (employee_id,name,country,state ,salary,age) VALUEs(1,'sarvesh kumar','Indi...	1 row(s) affected
6	15:31:45	SELECT * FROM employee_data2 LIMIT 0, 1000	1 row(s) returned

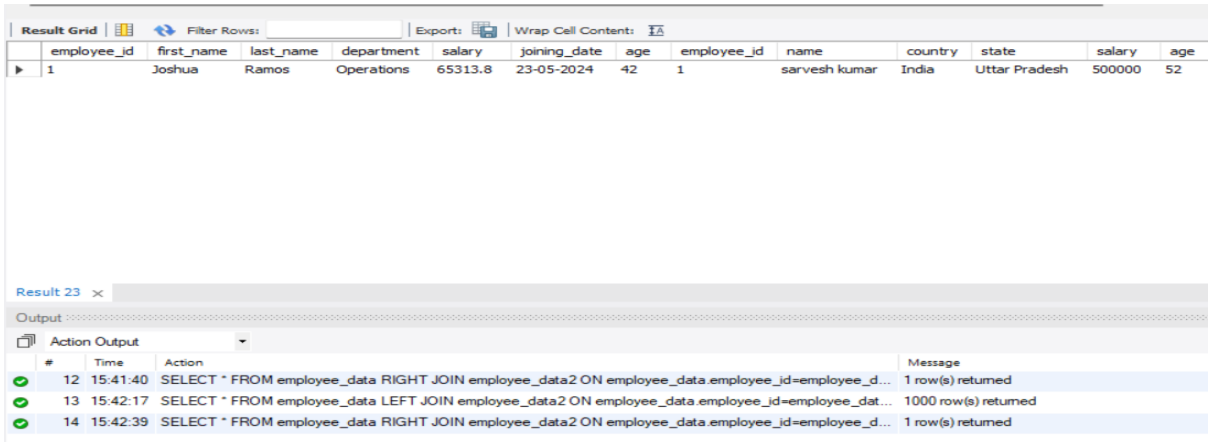
SELECT * FROM employee_data2 ;

SELECT * FROM employee_data ;

SELECT * FROM employee_data

INNER JOIN employee_data2

ON employee_data.employee_id=employee_data2.employee_id;



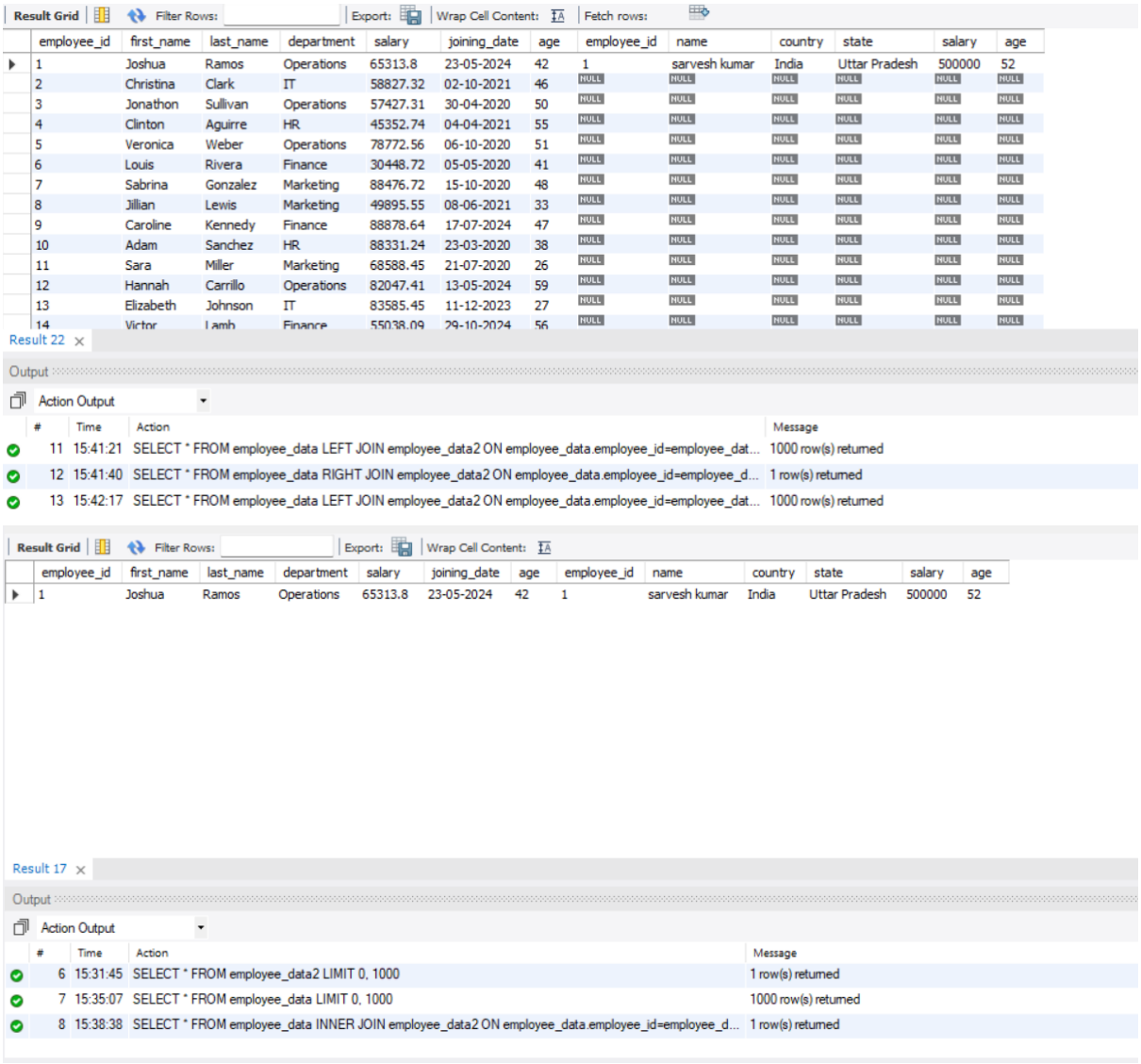
employee_id	first_name	last_name	department	salary	joining_date	age	employee_id	name	country	state	salary	age
1	Joshua	Ramos	Operations	65313.8	23-05-2024	42	1	sarvesh kumar	India	Uttar Pradesh	500000	52

Result 23

Output

Action Output

#	Time	Action	Message
12	15:41:40	SELECT * FROM employee_data RIGHT JOIN employee_data2 ON employee_data.employee_id=employee_d...	1 row(s) returned
13	15:42:17	SELECT * FROM employee_data LEFT JOIN employee_data2 ON employee_data.employee_id=employee_dat...	1000 row(s) returned
14	15:42:39	SELECT * FROM employee_data RIGHT JOIN employee_data2 ON employee_data.employee_id=employee_d...	1 row(s) returned



employee_id	first_name	last_name	department	salary	joining_date	age	employee_id	name	country	state	salary	age
1	Joshua	Ramos	Operations	65313.8	23-05-2024	42	1	sarvesh kumar	India	Uttar Pradesh	500000	52
2	Christina	Clark	IT	58827.32	02-10-2021	46	NULL	NULL	NULL	NULL	NULL	NULL
3	Jonathon	Sullivan	Operations	57427.31	30-04-2020	50	NULL	NULL	NULL	NULL	NULL	NULL
4	Clinton	Aguirre	HR	45352.74	04-04-2021	55	NULL	NULL	NULL	NULL	NULL	NULL
5	Veronica	Weber	Operations	78772.56	06-10-2020	51	NULL	NULL	NULL	NULL	NULL	NULL
6	Louis	Rivera	Finance	30448.72	05-05-2020	41	NULL	NULL	NULL	NULL	NULL	NULL
7	Sabrina	Gonzalez	Marketing	88476.72	15-10-2020	48	NULL	NULL	NULL	NULL	NULL	NULL
8	Jillian	Lewis	Marketing	49895.55	08-06-2021	33	NULL	NULL	NULL	NULL	NULL	NULL
9	Caroline	Kennedy	Finance	88878.64	17-07-2024	47	NULL	NULL	NULL	NULL	NULL	NULL
10	Adam	Sanchez	HR	88331.24	23-03-2020	38	NULL	NULL	NULL	NULL	NULL	NULL
11	Sara	Miller	Marketing	68588.45	21-07-2020	26	NULL	NULL	NULL	NULL	NULL	NULL
12	Hannah	Carrillo	Operations	82047.41	13-05-2024	59	NULL	NULL	NULL	NULL	NULL	NULL
13	Elizabeth	Johnson	IT	83585.45	11-12-2023	27	NULL	NULL	NULL	NULL	NULL	NULL
14	Victor	Lamb	Finance	55038.09	29-10-2024	56	NULL	NULL	NULL	NULL	NULL	NULL

Result 22

Output

Action Output

#	Time	Action	Message
11	15:41:21	SELECT * FROM employee_data LEFT JOIN employee_data2 ON employee_data.employee_id=employee_dat...	1000 row(s) returned
12	15:41:40	SELECT * FROM employee_data RIGHT JOIN employee_data2 ON employee_data.employee_id=employee_d...	1 row(s) returned
13	15:42:17	SELECT * FROM employee_data LEFT JOIN employee_data2 ON employee_data.employee_id=employee_dat...	1000 row(s) returned

employee_id	first_name	last_name	department	salary	joining_date	age	employee_id	name	country	state	salary	age
1	Joshua	Ramos	Operations	65313.8	23-05-2024	42	1	sarvesh kumar	India	Uttar Pradesh	500000	52

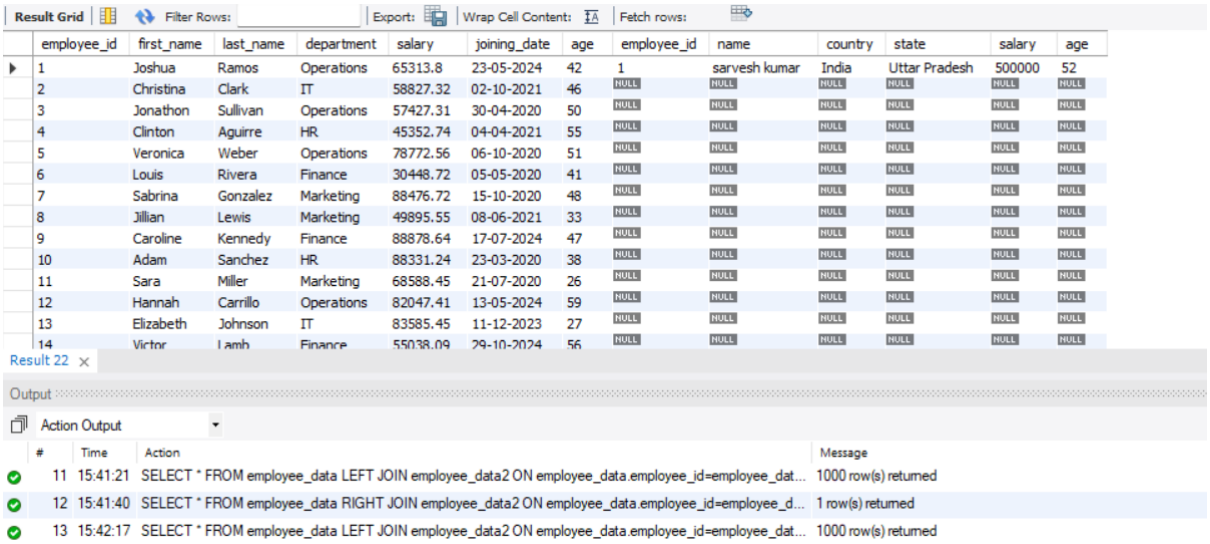
Result 17

Output

Action Output

#	Time	Action	Message
6	15:31:45	SELECT * FROM employee_data2 LIMIT 0, 1000	1 row(s) returned
7	15:35:07	SELECT * FROM employee_data LIMIT 0, 1000	1000 row(s) returned
8	15:38:38	SELECT * FROM employee_data INNER JOIN employee_data2 ON employee_data.employee_id=employee_d...	1 row(s) returned

```
SELECT * FROM employee_data
LEFT JOIN employee_data2
ON
employee_data.employee_id=employee_data2.employee_id;
```



employee_id	first_name	last_name	department	salary	joining_date	age	employee_id	name	country	state	salary	age
1	Joshua	Ramos	Operations	65313.8	23-05-2024	42	1	sarvesh kumar	India	Uttar Pradesh	500000	52
2	Christina	Clark	IT	58827.32	02-10-2021	46	NULL	NULL	NULL	NULL	NULL	NULL
3	Jonathon	Sullivan	Operations	57427.31	30-04-2020	50	NULL	NULL	NULL	NULL	NULL	NULL
4	Clinton	Aguirre	HR	45352.74	04-04-2021	55	NULL	NULL	NULL	NULL	NULL	NULL
5	Veronica	Weber	Operations	78772.56	06-10-2020	51	NULL	NULL	NULL	NULL	NULL	NULL
6	Louis	Rivera	Finance	30448.72	05-05-2020	41	NULL	NULL	NULL	NULL	NULL	NULL
7	Sabrina	Gonzalez	Marketing	88476.72	15-10-2020	48	NULL	NULL	NULL	NULL	NULL	NULL
8	Jillian	Lewis	Marketing	49895.55	08-06-2021	33	NULL	NULL	NULL	NULL	NULL	NULL
9	Caroline	Kennedy	Finance	88878.64	17-07-2024	47	NULL	NULL	NULL	NULL	NULL	NULL
10	Adam	Sanchez	HR	88331.24	23-03-2020	38	NULL	NULL	NULL	NULL	NULL	NULL
11	Sara	Miller	Marketing	68588.45	21-07-2020	26	NULL	NULL	NULL	NULL	NULL	NULL
12	Hannah	Carrillo	Operations	82047.41	13-05-2024	59	NULL	NULL	NULL	NULL	NULL	NULL
13	Elizabeth	Johnson	IT	83585.45	11-12-2023	27	NULL	NULL	NULL	NULL	NULL	NULL
14	Victor	Lamb	Finance	55038.09	29-10-2024	56	NULL	NULL	NULL	NULL	NULL	NULL

Result 22

Output

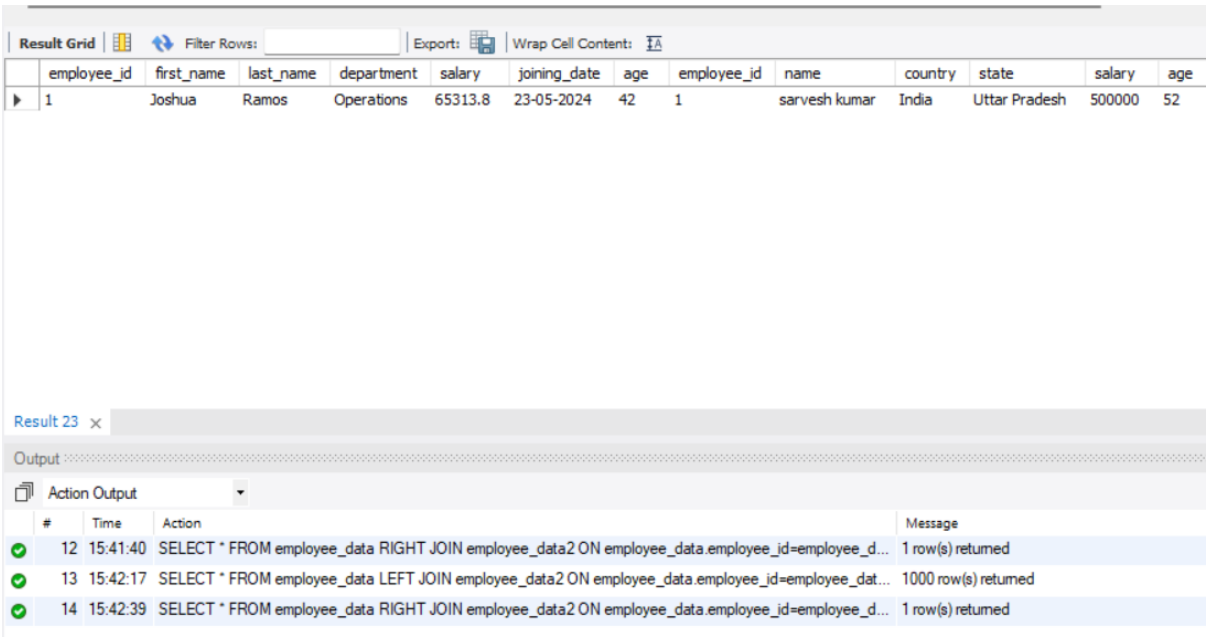
Action Output

#	Time	Action	Message
11	15:41:21	SELECT * FROM employee_data LEFT JOIN employee_data2 ON employee_data.employee_id=employee_dat...	1000 row(s) returned
12	15:41:40	SELECT * FROM employee_data RIGHT JOIN employee_data2 ON employee_data.employee_id=employee_d...	1 row(s) returned
13	15:42:17	SELECT * FROM employee_data LEFT JOIN employee_data2 ON employee_data.employee_id=employee_dat...	1000 row(s) returned

SELECT * FROM employee_data

RIGHT JOIN employee_data2

ON employee_data.employee_id=employee_data2.employee_id;



employee_id	first_name	last_name	department	salary	joining_date	age	employee_id	name	country	state	salary	age
1	Joshua	Ramos	Operations	65313.8	23-05-2024	42	1	sarvesh kumar	India	Uttar Pradesh	500000	52

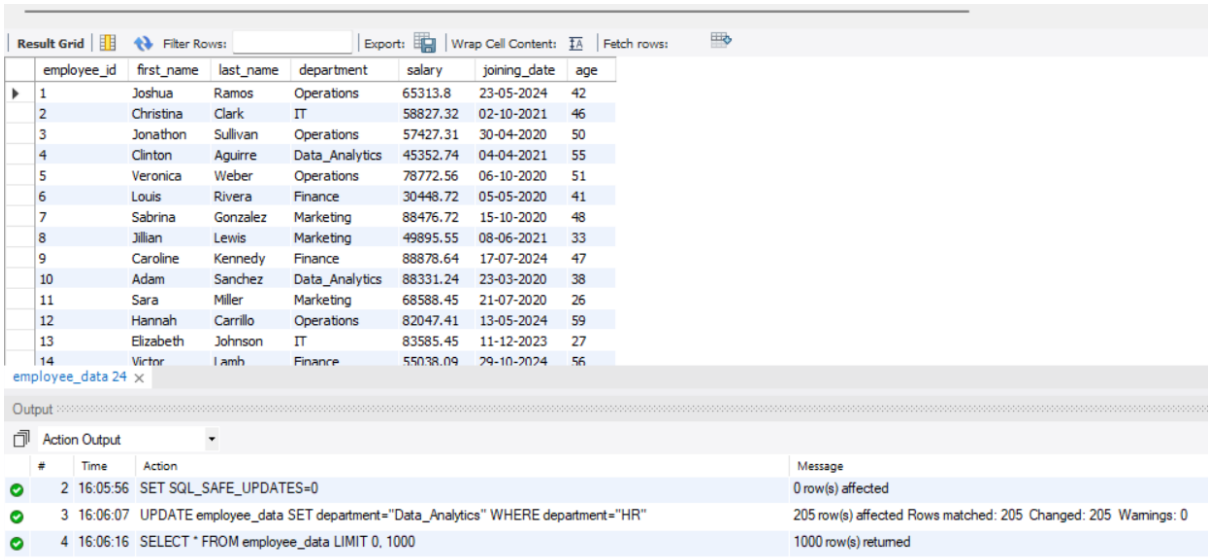
Result 23

Output

Action Output

#	Time	Action	Message
12	15:41:40	SELECT * FROM employee_data RIGHT JOIN employee_data2 ON employee_data.employee_id=employee_d...	1 row(s) returned
13	15:42:17	SELECT * FROM employee_data LEFT JOIN employee_data2 ON employee_data.employee_id=employee_dat...	1000 row(s) returned
14	15:42:39	SELECT * FROM employee_data RIGHT JOIN employee_data2 ON employee_data.employee_id=employee_d...	1 row(s) returned

```
SET SQL_SAFE_UPDATES=0;

UPDATE employee_data

SET department="Data_Analytics"

WHERE department="HR";
```



Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

employee_id	first_name	last_name	department	salary	joining_date	age
1	Joshua	Ramos	Operations	65313.8	23-05-2024	42
2	Christina	Clark	IT	58827.32	02-10-2021	46
3	Jonathon	Sullivan	Operations	57427.31	30-04-2020	50
4	Clinton	Aguirre	Data_Analytics	45352.74	04-04-2021	55
5	Veronica	Weber	Operations	78772.56	06-10-2020	51
6	Louis	Rivera	Finance	30448.72	05-05-2020	41
7	Sabrina	Gonzalez	Marketing	88476.72	15-10-2020	48
8	Jillian	Lewis	Marketing	49895.55	08-06-2021	33
9	Caroline	Kennedy	Finance	88878.64	17-07-2024	47
10	Adam	Sanchez	Data_Analytics	88331.24	23-03-2020	38
11	Sara	Miller	Marketing	68588.45	21-07-2020	26
12	Hannah	Carrillo	Operations	82047.41	13-05-2024	59
13	Elizabeth	Johnson	IT	83585.45	11-12-2023	27
14	Victor	Lamb	Finance	55038.09	29-10-2024	56

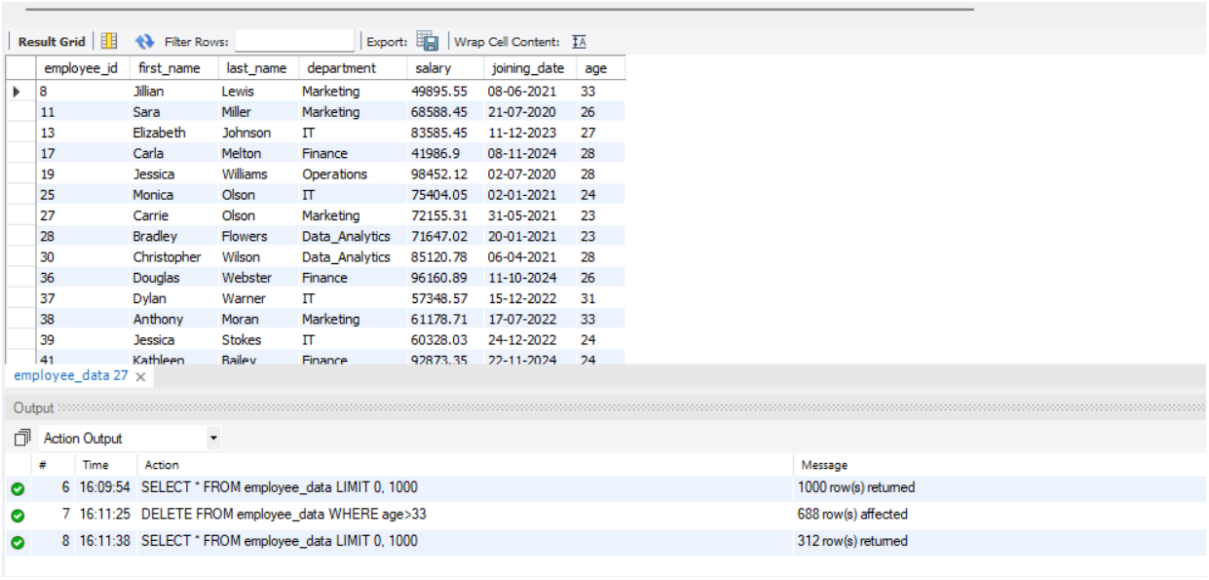
employee_data 24 ×

Output

Action Output

#	Time	Action	Message
2	16:05:56	SET SQL_SAFE_UPDATES=0	0 row(s) affected
3	16:06:07	UPDATE employee_data SET department="Data_Analytics" WHERE department="HR"	205 row(s) affected Rows matched: 205 Changed: 205 Warnings: 0
4	16:06:16	SELECT * FROM employee_data LIMIT 0, 1000	1000 row(s) returned

```
DELETE FROM employee_data

WHERE age>33;

SELECT * FROM employee_data;
```



Result Grid | Filter Rows: | Export: | Wrap Cell Content:

employee_id	first_name	last_name	department	salary	joining_date	age
8	Jillian	Lewis	Marketing	49895.55	08-06-2021	33
11	Sara	Miller	Marketing	68588.45	21-07-2020	26
13	Elizabeth	Johnson	IT	83585.45	11-12-2023	27
17	Carla	Melton	Finance	41986.9	08-11-2024	28
19	Jessica	Williams	Operations	98452.12	02-07-2020	28
25	Monica	Olson	IT	75404.05	02-01-2021	24
27	Carrie	Olson	Marketing	72155.31	31-05-2021	23
28	Bradley	Flowers	Data_Analytics	71647.02	20-01-2021	23
30	Christopher	Wilson	Data_Analytics	85120.78	06-04-2021	28
36	Douglas	Webster	Finance	96160.89	11-10-2024	26
37	Dylan	Warner	IT	57348.57	15-12-2022	31
38	Anthony	Moran	Marketing	61178.71	17-07-2022	33
39	Jessica	Stokes	IT	60328.03	24-12-2022	24
41	Kathleen	Bailey	Finance	92873.35	22-11-2024	24

employee_data 27

Output

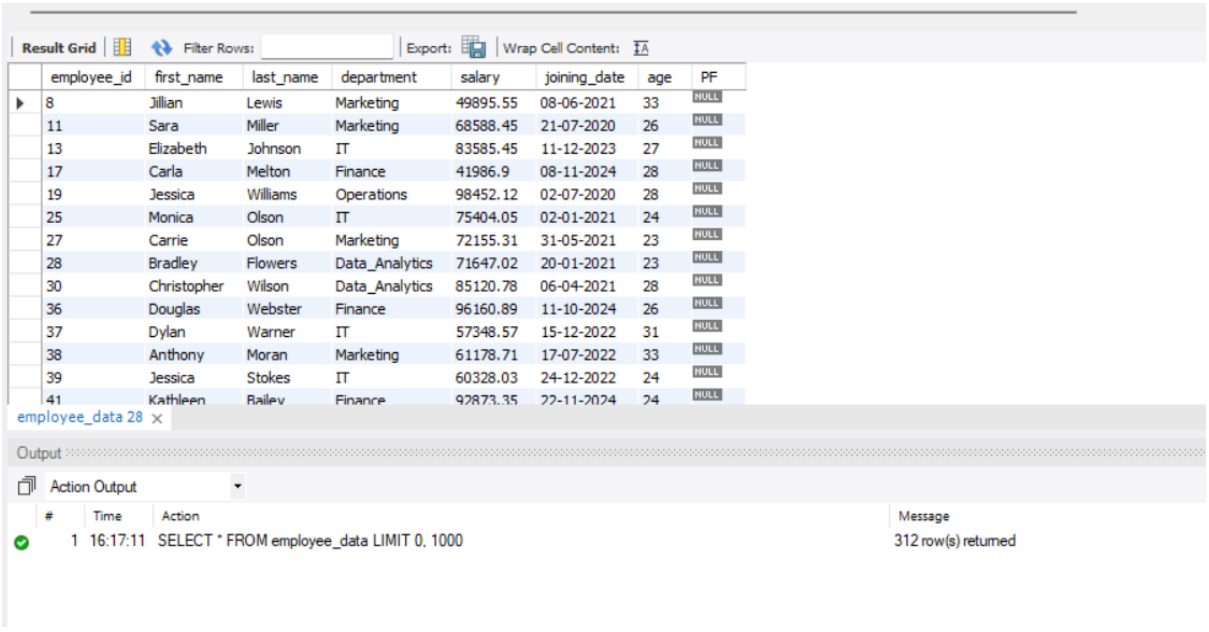
Action Output

#	Time	Action	Message
6	16:09:54	SELECT * FROM employee_data LIMIT 0, 1000	1000 row(s) returned
7	16:11:25	DELETE FROM employee_data WHERE age>33	688 row(s) affected
8	16:11:38	SELECT * FROM employee_data LIMIT 0, 1000	312 row(s) returned

alter TABLE employee_data

ADD column PF int ;

SELECT * FROM employee_data;



Result Grid | Filter Rows: | Export: | Wrap Cell Content:

employee_id	first_name	last_name	department	salary	joining_date	age	PF
8	Jillian	Lewis	Marketing	49895.55	08-06-2021	33	NULL
11	Sara	Miller	Marketing	68588.45	21-07-2020	26	NULL
13	Elizabeth	Johnson	IT	83585.45	11-12-2023	27	NULL
17	Carla	Melton	Finance	41986.9	08-11-2024	28	NULL
19	Jessica	Williams	Operations	98452.12	02-07-2020	28	NULL
25	Monica	Olson	IT	75404.05	02-01-2021	24	NULL
27	Carrie	Olson	Marketing	72155.31	31-05-2021	23	NULL
28	Bradley	Flowers	Data_Analytics	71647.02	20-01-2021	23	NULL
30	Christopher	Wilson	Data_Analytics	85120.78	06-04-2021	28	NULL
36	Douglas	Webster	Finance	96160.89	11-10-2024	26	NULL
37	Dylan	Warner	IT	57348.57	15-12-2022	31	NULL
38	Anthony	Moran	Marketing	61178.71	17-07-2022	33	NULL
39	Jessica	Stokes	IT	60328.03	24-12-2022	24	NULL
41	Kathleen	Bailey	Finance	92873.35	22-11-2024	24	NULL

employee_data 28

Output

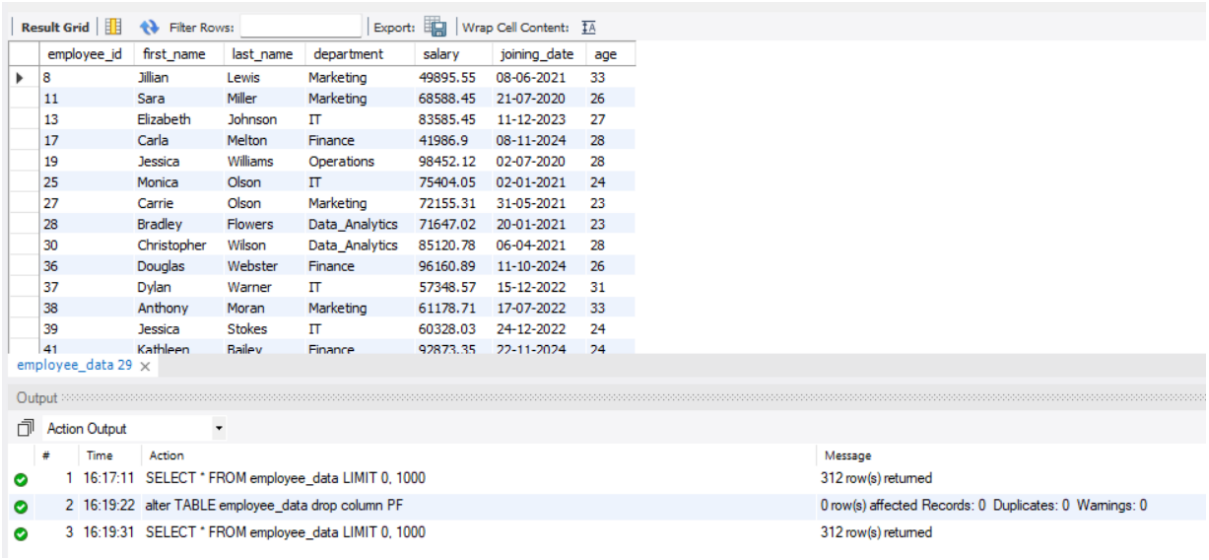
Action Output

#	Time	Action	Message
1	16:17:11	SELECT * FROM employee_data LIMIT 0, 1000	312 row(s) returned

alter TABLE employee_data

drop column PF ;

SELECT * FROM employee_data;



Result Grid | Filter Rows: | Export: | Wrap Cell Content:

employee_id	first_name	last_name	department	salary	joining_date	age
8	Jillian	Lewis	Marketing	49895.55	08-06-2021	33
11	Sara	Miller	Marketing	68588.45	21-07-2020	26
13	Elizabeth	Johnson	IT	83585.45	11-12-2023	27
17	Carla	Melton	Finance	41986.9	08-11-2024	28
19	Jessica	Williams	Operations	98452.12	02-07-2020	28
25	Monica	Olson	IT	75404.05	02-01-2021	24
27	Carrie	Olson	Marketing	72155.31	31-05-2021	23
28	Bradley	Flowers	Data_Analytics	71647.02	20-01-2021	23
30	Christopher	Wilson	Data_Analytics	85120.78	06-04-2021	28
36	Douglas	Webster	Finance	96160.89	11-10-2024	26
37	Dylan	Warner	IT	57348.57	15-12-2022	31
38	Anthony	Moran	Marketing	61178.71	17-07-2022	33
39	Jessica	Stokes	IT	60328.03	24-12-2022	24
41	Kathleen	Bailey	Finance	92873.35	22-11-2024	24

employee_data 29

Output

Action Output

#	Time	Action	Message
1	16:17:11	SELECT * FROM employee_data LIMIT 0, 1000	312 row(s) returned
2	16:19:22	alter TABLE employee_data drop column PF	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0
3	16:19:31	SELECT * FROM employee_data LIMIT 0, 1000	312 row(s) returned

```
SELECT age FROM employee_data;

SELECT count(age) FROM employee_data;

SELECT max(age) FROM employee_data;

SELECT min(age) FROM employee_data;

SELECT sum(age) FROM employee_data;

SELECT avg(age) FROM employee_data;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

age_group	total_employees
25-34	233
Under 25	79

Emp_By_Age_Group 41 ×

Output

Action Output

#	Time	Action	Message
16	16:39:21	select *from Employee_data LIMIT 0, 1000	312 row(s) returned
17	16:44:40	SELECT * FROM Avg_Salary_By_Dept WHERE avg_salary > 50000 LIMIT 0, 1000	5 row(s) returned
18	16:45:02	SELECT * FROM Emp_By_Age_Group LIMIT 0, 1000	2 row(s) returned

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

department	total_employees	avg_salary	highest_salary	lowest_salary
Marketing	70	68287.22385714286	97886.57	30145.3
IT	64	68078.50234375	97692.47	30406.74
Finance	63	64752.07746031747	99901.22	30214.96
Operations	59	60917.86372881354	98452.12	30118.59
Data_Analytics	56	62555.975714285734	98453.91	30501.85

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

employee_id	first_name	last_name	department	salary	joining_date	age
8	Jillian	Lewis	Marketing	49895.55	08-06-2021	33
11	Sara	Miller	Marketing	68588.45	21-07-2020	26
13	Elizabeth	Johnson	IT	83585.45	11-12-2023	27
17	Carla	Melton	Finance	41986.9	08-11-2024	28
19	Jessica	Williams	Operations	98452.12	02-07-2020	28
25	Monica	Olson	IT	75404.05	02-01-2021	24
27	Carrie	Olson	Marketing	72155.31	31-05-2021	23
28	Bradley	Flowers	Data_Analytics	71647.02	20-01-2021	23
30	Christopher	Wilson	Data_Analytics	85120.78	06-04-2021	28
36	Douglas	Webster	Finance	96160.89	11-10-2024	26
37	Dylan	Warner	IT	57348.57	15-12-2022	31
38	Anthony	Moran	Marketing	61178.71	17-07-2022	33
39	Jessica	Stokes	IT	60328.03	24-12-2022	24
41	Kathleen	Bailey	Finance	92873.35	22-11-2024	24

Employee_data 38 ×

Output

Action Output

#	Time	Action	Message
12	16:36:05	CREATE VIEW Avg_Salary_By_Dept AS SELECT department, COUNT(*) AS total_employees, AVG(s...	Error Code: 1146. Table 'company.employee' doesn't exist
13	16:36:55	CREATE VIEW Avg_Salary_By_Dept AS SELECT department, COUNT(*) AS total_employees, AVG(s...	0 row(s) affected
14	16:37:44	select *from Employee_data LIMIT 0, 1000	312 row(s) returned

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

avg(age)
27.4840

Result 37

Output

Action Output

#	Time	Action	Message
9	16:25:58	SELECT min(age) FROM employee_data LIMIT 0, 1000	1 row(s) returned
10	16:27:05	SELECT sum(age) FROM employee_data LIMIT 0, 1000	1 row(s) returned
11	16:28:13	SELECT avg(age) FROM employee_data LIMIT 0, 1000	1 row(s) returned

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

sum(age)
8575

Result 36

Output

Action Output

#	Time	Action	Message
8	16:25:51	SELECT min(age) FROM employee_data LIMIT 0, 1000	1 row(s) returned
9	16:25:58	SELECT min(age) FROM employee_data LIMIT 0, 1000	1 row(s) returned
10	16:27:05	SELECT sum(age) FROM employee_data LIMIT 0, 1000	1 row(s) returned

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

min(age)
22

Result 35

Output

Action Output

#	Time	Action	Message
7	16:25:30	SELECT min(age) FROM employee_data LIMIT 0, 1000	1 row(s) returned
8	16:25:51	SELECT min(age) FROM employee_data LIMIT 0, 1000	1 row(s) returned
9	16:25:58	SELECT min(age) FROM employee_data LIMIT 0, 1000	1 row(s) returned

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

count(age)
312

Result 31

Output

Action Output

#	Time	Action	Message
3	16:19:31	SELECT * FROM employee_data LIMIT 0, 1000	312 row(s) returned
4	16:22:21	SELECT age FROM employee_data LIMIT 0, 1000	312 row(s) returned
5	16:23:19	SELECT count(age) FROM employee_data LIMIT 0, 1000	1 row(s) returned

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

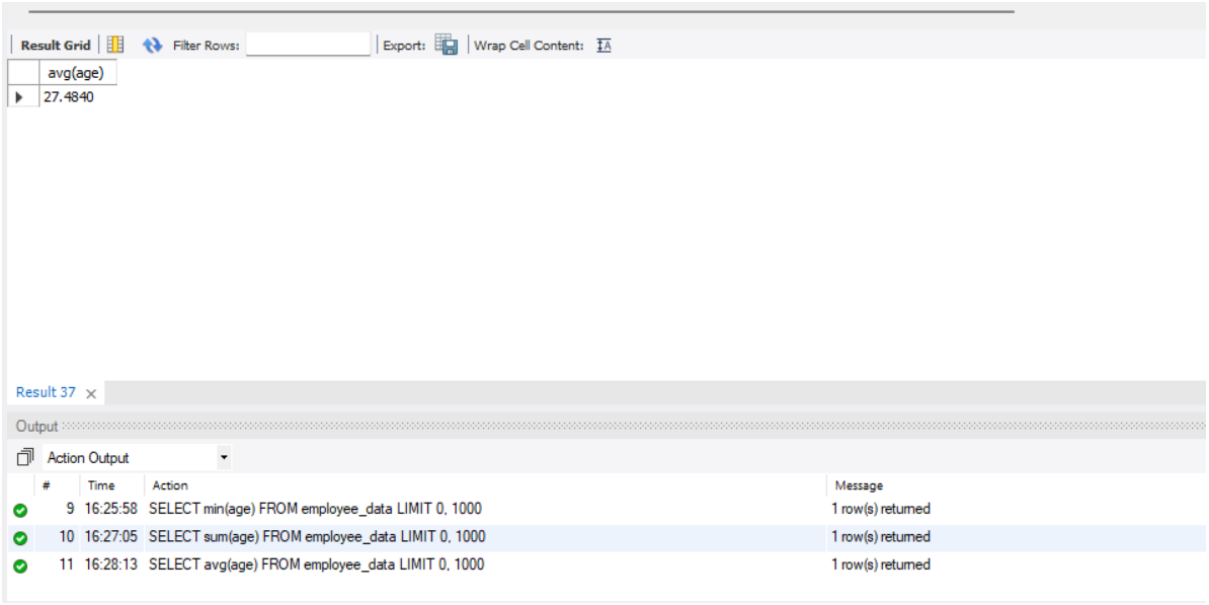
sum(age)
8575

Result 36

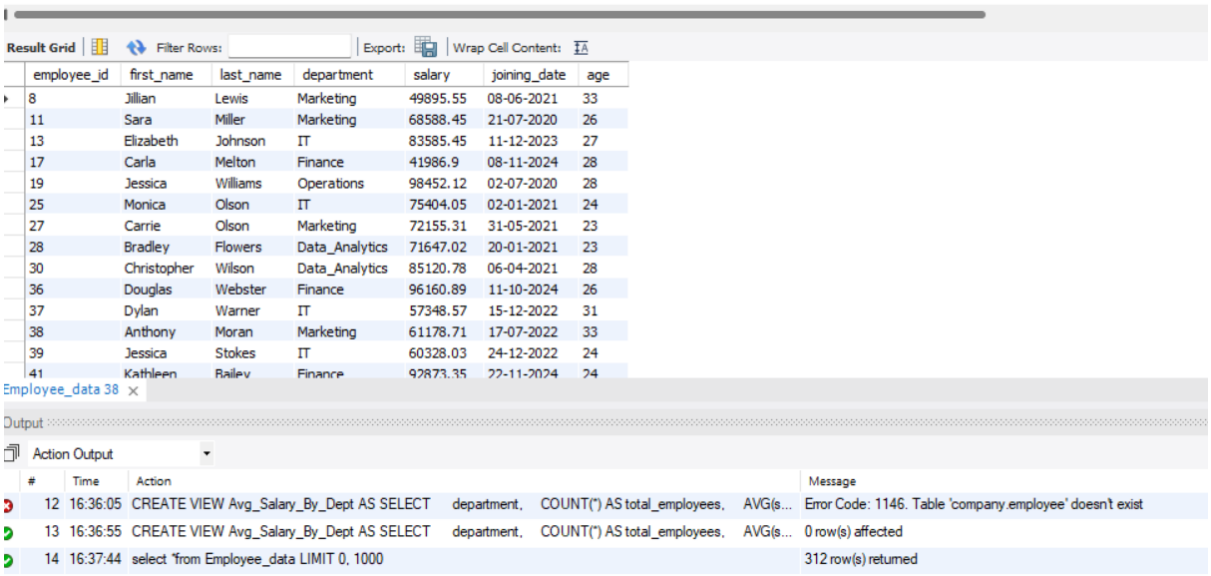
Output

Action Output

#	Time	Action	Message
8	16:25:51	SELECT min(age) FROM employee_data LIMIT 0, 1000	1 row(s) returned
9	16:25:58	SELECT min(age) FROM employee_data LIMIT 0, 1000	1 row(s) returned
10	16:27:05	SELECT sum(age) FROM employee_data LIMIT 0, 1000	1 row(s) returned




```
CREATE VIEW Avg_Salary_By_Dept AS
SELECT
    department,
    COUNT(*) AS total_employees,
    AVG(salary) AS avg_salary,
    MAX(salary) AS highest_salary,
    MIN(salary) AS lowest_salary
FROM Employee_data
GROUP BY department;
```



Result Grid | Filter Rows: | Export: | Wrap Cell Content:

employee_id	first_name	last_name	department	salary	joining_date	age
8	Jillian	Lewis	Marketing	49895.55	08-06-2021	33
11	Sara	Miller	Marketing	68588.45	21-07-2020	26
13	Elizabeth	Johnson	IT	83585.45	11-12-2023	27
17	Carla	Melton	Finance	41986.9	08-11-2024	28
19	Jessica	Williams	Operations	98452.12	02-07-2020	28
25	Monica	Olson	IT	75404.05	02-01-2021	24
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38	Anthony	Moran	Marketing	61178.71	17-07-2022	33
39	Jessica	Stokes	IT	60328.03	24-12-2022	24
41	Kathleen	Bailey	Finance	92873.35	22-11-2024	24

Employee_data 38

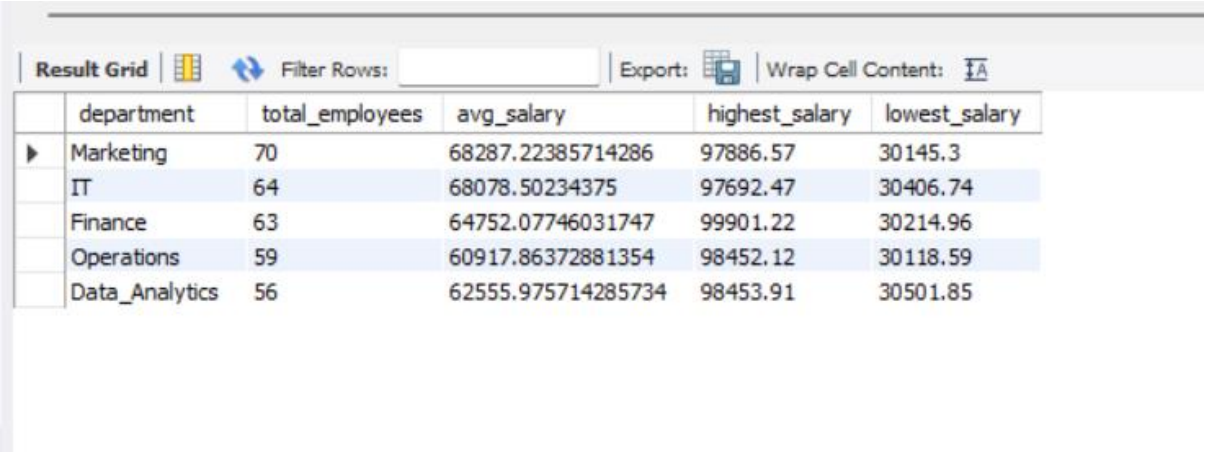
Output

Action Output

#	Time	Action	Message
12	16:36:05	CREATE VIEW Avg_Salary_By_Dept AS SELECT department, COUNT(*) AS total_employees, AVG(s...	Error Code: 1146. Table 'company.employee' doesn't exist
13	16:36:55	CREATE VIEW Avg_Salary_By_Dept AS SELECT department, COUNT(*) AS total_employees, AVG(s...	0 row(s) affected
14	16:37:44	select *from Employee_data LIMIT 0, 1000	312 row(s) returned

```
select *from Employee_data;
CREATE VIEW Emp_By_Age_Group AS
SELECT
    CASE
        WHEN age < 25 THEN 'Under 25'
        WHEN age BETWEEN 25 AND 34 THEN '25-34'
        WHEN age BETWEEN 35 AND 44 THEN '35-44'
        WHEN age BETWEEN 45 AND 54 THEN '45-54'
        ELSE '55+'
    END AS age_group,
    COUNT(*) AS total_employees
FROM Employee_data
```

GROUP BY age_group;

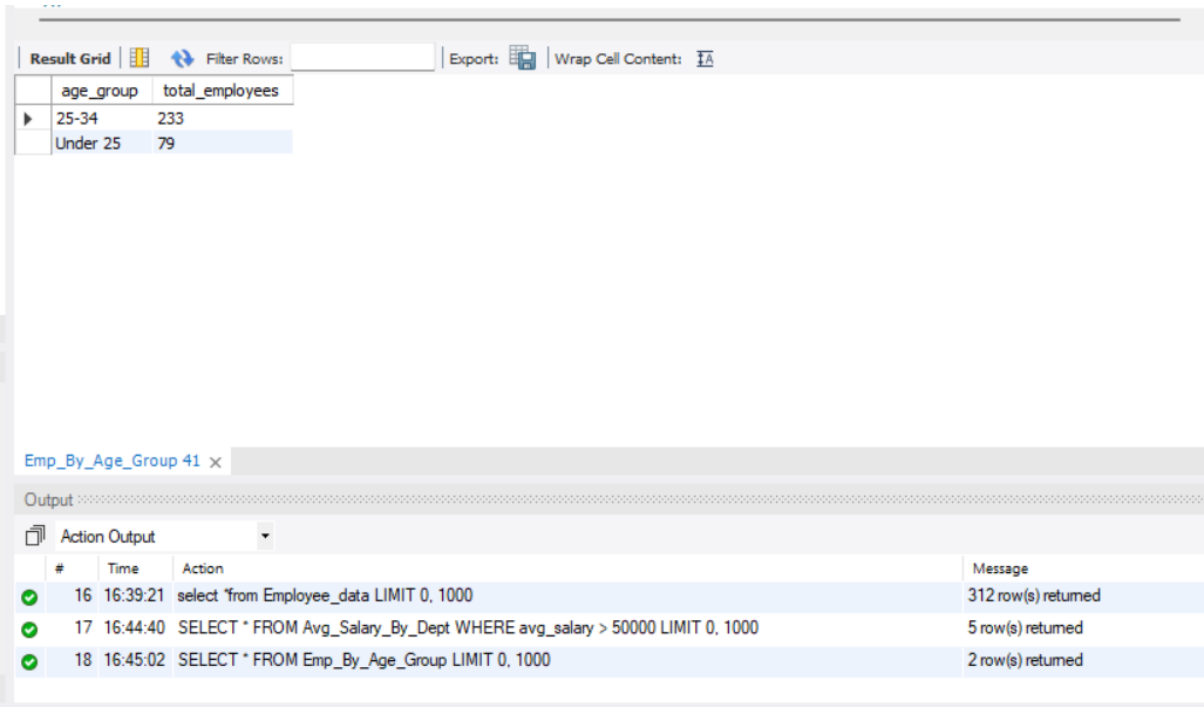


department	total_employees	avg_salary	highest_salary	lowest_salary
Marketing	70	68287.22385714286	97886.57	30145.3
IT	64	68078.50234375	97692.47	30406.74
Finance	63	64752.07746031747	99901.22	30214.96
Operations	59	60917.86372881354	98452.12	30118.59
Data_Analytics	56	62555.975714285734	98453.91	30501.85

select *from Employee_data;

SELECT * FROM Avg_Salary_By_Dept WHERE avg_salary > 50000;

SELECT * FROM Emp_By_Age_Group;



age_group	total_employees
25-34	233
Under 25	79

Emp_By_Age_Group 41

Output

Action Output

#	Time	Action	Message
16	16:39:21	select *from Employee_data LIMIT 0, 1000	312 row(s) returned
17	16:44:40	SELECT * FROM Avg_Salary_By_Dept WHERE avg_salary > 50000 LIMIT 0, 1000	5 row(s) returned
18	16:45:02	SELECT * FROM Emp_By_Age_Group LIMIT 0, 1000	2 row(s) returned