```
57  FETCH THE DATA FROM THE EXISTING TABLES */
58  SELECT * FROM DEPARTMENTS;
```

Data Output | Messages | Notifications

	departmentid [PK] integer	departmentname character varying (50)
1	101	IT
2	102	MARKETING
3	103	SALES
4	104	HR

Total rows: 4 of 4 Query complete 00:00:00.306 Ln 58, Col 1

```
59  SELECT * FROM EMPLOYEES;
```

Data Output | Messages | Notifications

	employeeid [PK] integer	firstname character varying (50)	lastname character varying (50)	departmentid integer	sal inte
1	1	RAM	KUMAR	101	
2	2	SHYAM	ROY	102	
3	3	MAYA	KUMARI	101	
4	4	JOY	SINHA	103	
5	5	KOYEL	DAS	102	
6	6	RAMU	CHATTERJEE	104	
7	7	RINA	GORAI	103	
8	8	MINU	KUMARI	103	
9	9	JAYA	KUMARI	102	
10	10	MANAV	CHATTERJEE	101	
11	11	MONA	BANNERJEE	104	

Total rows: 25 of 25 Query complete 00:00:00.168 Ln 59, Col 1

Query | Query History

```sql
SELECT
    E.DepartmentID,
    COUNT(E.EmployeeID) AS TotalEmployee,
    AVG(E.Salary) AS AvgSalary
FROM
    Employees E
    INNER JOIN
    Departments D
    ON
        E.DepartmentID = D.DepartmentID
GROUP BY
    E.DepartmentID
HAVING
    COUNT(E.EmployeeID) > 5
```

Data Output | Messages | Notifications

	departmentid integer	totalemployee bigint	avgsalary numeric
1	102	14	76142.857142857143
2	101	12	64500.000000000000
3	103	6	36666.666666666667

Total rows: 3 of 3 Query complete 00:00:00.133 Ln 90, Col 21

Query | Query History

```
98  SELECT
99      E.DepartmentID,
100     D.DepartmentName,
101     Avg(E.Salary) as AvgSalary
102 FROM
103     Employees E JOIN Departments D
104     ON E.DepartmentID = D.DepartmentID
105 group by
106     E.DepartmentID,D.DepartmentName
107 HAVING
108     AVG(E.Salary)>
109     (
110         SELECT AVG(salary) FROM employees
111     );
```

Data Output | Messages | Notifications

SQL

	departmentid integer	departmentname character varying (50)	avgsalary numeric
1	101	IT	64500.000000000000
2	102	MARKETING	76142.857142857143

Total rows: 2 of 2 Query complete 00:00:00.114 Ln 112, Col 1

Query | Query History

```
136     (1009,'ProjectAC',101),
137     (1010,'ProjectAJ',102);
138
139 SELECT * FROM PROJECTS;
140
```

Data Output | Messages | Notifications

	projectid [PK] integer	projectname character varying (60)	departmentid integer
1	1001	ProjectAB	101
2	1002	ProjectAC	102
3	1003	ProjectAD	102
4	1004	ProjectAE	104
5	1005	ProjectAF	102
6	1006	ProjectAG	102
7	1007	ProjectAH	103
8	1008	ProjectAI	101
9	1009	ProjectAC	101
10	1010	ProjectAJ	102

Total rows: 10 of 10 Query complete 00:00:00.122 Ln 139, Col 1

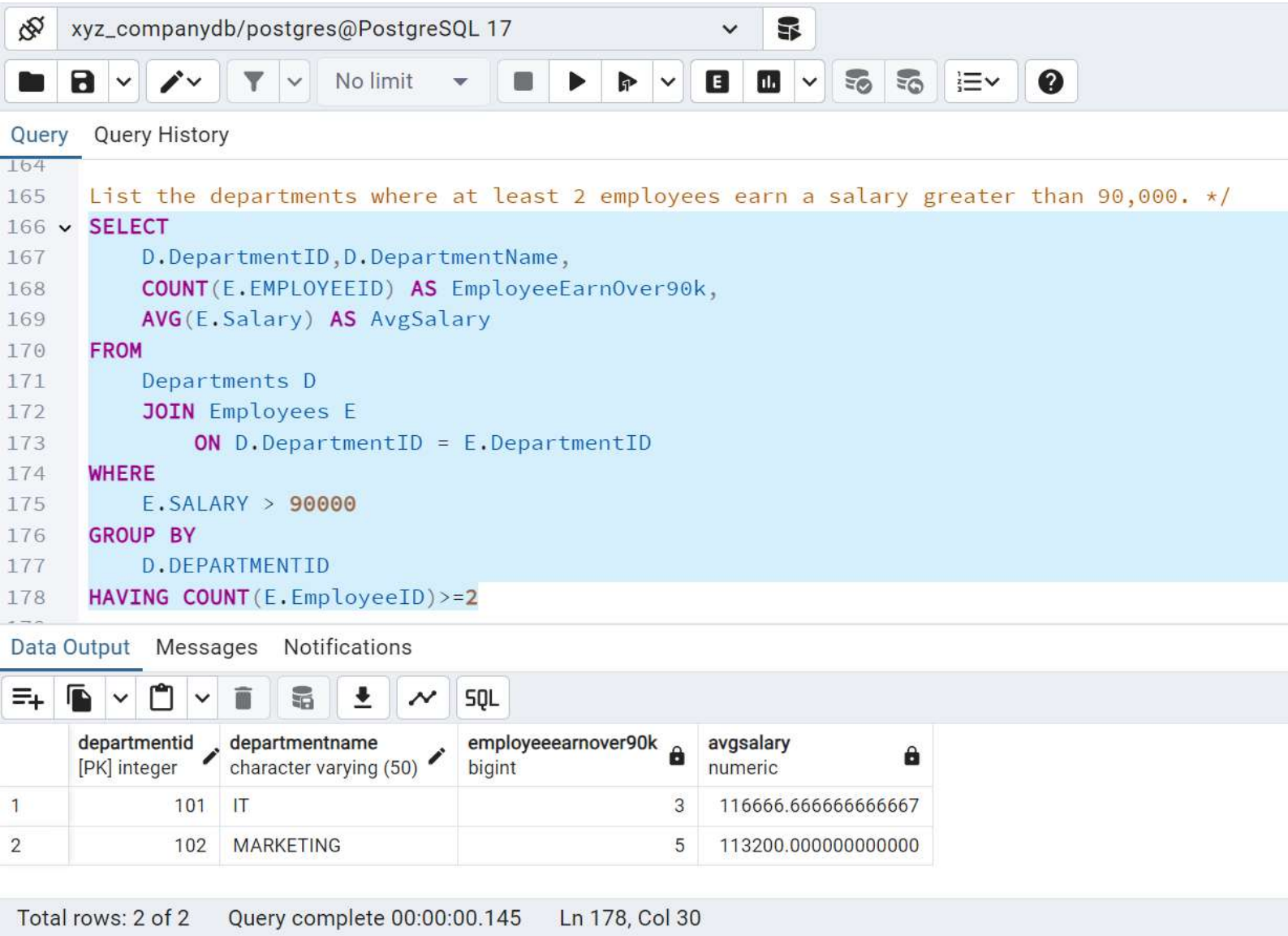
Query | Query History

```
144 SELECT
145     P.ProjectID,
146     P.ProjectName,
147     D.DepartmentName
148 FROM
149     Projects P INNER JOIN Departments D
150         ON P.DepartmentID=D.DepartmentID
151 WHERE D.DepartmentID IN(
152     SELECT
153         DepartmentID
154     FROM
```

Data Output | Messages | Notifications

	projectid integer	projectname character varying (60)	departmentname character varying (50)
1	1002	ProjectAC	MARKETING
2	1003	ProjectAD	MARKETING
3	1005	ProjectAF	MARKETING
4	1006	ProjectAG	MARKETING
5	1010	ProjectAJ	MARKETING

Total rows: 5 of 5 Query complete 00:00:00.108 Ln 162, Col 1


xyz_companydb/postgres@PostgreSQL 17
No limit
Query
Query History
List the departments where at least 2 employees earn a salary greater than 90,000. */
SELECT
D.DepartmentID,D.DepartmentName,
COUNT(E.EMPLOYEEID) AS EmployeeEarnOver90k,
AVG(E.Salary) AS AvgSalary
FROM
Departments D
JOIN Employees E
ON D.DepartmentID = E.DepartmentID
WHERE
E.SALARY > 90000
GROUP BY
D.DEPARTMENTID
HAVING COUNT(E.EmployeeID)>=2
Data Output
Messages
Notifications
SQL
departmentid [PK] integer
departmentname character varying (50)
employeeearnover90k bigint
avgsalary numeric
1 101 IT 3 116666.666666666667
2 102 MARKETING 5 113200.000000000000
Total rows: 2 of 2
Query complete 00:00:00.145
Ln 178, Col 30

ANUPURBA_ASSIGNMENT3.sql*

xyz_companydb/postgres@PostgreSQL 17

No limit

Query | Query History

```
197 SELECT
198     D.DepartmentID,
199     SUM(E.Salary),
200     D.DepartmentName
201 FROM
202     Employees E
203     JOIN Departments D
204         ON E.DepartmentID = D.DepartmentID
205 GROUP BY
206     D.DepartmentID
207 HAVING
208     COUNT(EmployeeID)>10
209         AND D.DepartmentName LIKE '%Tech%'
210 ORDER BY SUM(E.Salary)DESC
211 LIMIT 3;
```

Data Output | Messages | Notifications

	departmentid [PK] integer	sum bigint	departmentname character varying (50)
1	105	579000	Technology

Total rows: 1 of 1 Query complete 00:00:00.120 Ln 211, Col 9