Executed Queries

```
116    -- 1
117  • SELECT Name, Email, Gender
118    FROM EMPLOYEE
119
```

100%   14:118   4 errors found

Result Grid   Filter Rows: Search

Name	Email	Gender
Maria Lopez	maria.lopez@microsoft…	F
John Smith	john.smith@netflix.com	M
Alice Brown	alice.brown@ecoworld.…	F
Mark Davis	mark.davis@tesla.com	M
Jane Doe	jane.doe@shopify.com	F
Jan Do	jan.do@shopify.com	F

I.

```
119
120    -- 2
121 ❌ SELECT *
122    FROM COMPANY
123    WHERE nStocks is not null AND nStocks != 0
124
```

100%   43:123   4 errors found

Result Grid   Filter Rows: Search   Edit:

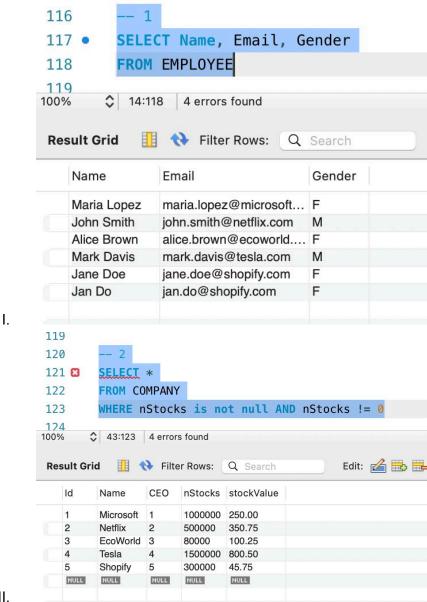| Id	Name	CEO	nStocks	stockValue
1	Microsoft	1	1000000	250.00
2	Netflix	2	500000	350.75
3	EcoWorld	3	80000	100.25
4	Tesla	4	1500000	800.50
5	Shopify	5	300000	45.75
NULL	NULL	NULL	NULL	NULL

II.

```
124
125    -- 3
126    SELECT C.Name, COUNT(CC.Country) AS Num_Countries
127    FROM COMPANYCOUNTRY CC, COMPANY C
128    WHERE CC.Company = C.Id
129    GROUP BY CC.Company
130    ORDER BY C.Name
131
```

100%   16:130   4 errors found

Result Grid   Filter Rows: Q Search   Export:

Name	Num_Countries
EcoWorld	1
Microsoft	1
Netflix	2
Shopify	1
Tesla	1

III.

```
132    -- 4
133    SELECT Country, Count(Company) AS Num_Companies
134    FROM COMPANYCOUNTRY
135    GROUP BY Country
136    HAVING Count(Company) > 0
137    ORDER BY Count(Company) DESC
138
```

100%   29:137   4 errors found

Result Grid   Filter Rows: Q Search   Export:

Country	Num_Companies
USA	3
CAN	1
ESP	1
IND	1

IV.

```
139    -- 5
140    SELECT d.Name AS DepartmentName, r.Name AS RoleName, COUNT(e.Id) AS EmployeeCount
141    FROM Employee e,EmployeeDepartment ed, Department d, Company c,
142        EmployeeRole er, Role r
143    WHERE er.AssignedRole = r.Id AND e.Id = er.Employee AND
144        d.Company = c.Id AND ed.Department = d.Id AND
145        e.Id = ed.Employee AND c.Name = 'Microsoft'
146        AND ed.Date = (
147            SELECT MAX(ed2.Date)
148            FROM EmployeeDepartment ed2
149            WHERE ed2.Employee = e.Id
150        )
151        AND er.Date = (
152            SELECT MAX(er2.Date)
153            FROM EmployeeRole er2
154            WHERE er2.Employee = e.Id
155        )
156    GROUP BY d.Name, r.Name
157    ORDER BY d.Name ASC, EmployeeCount DESC;
158
```

100%   41:157   4 errors found

Result Grid   Filter Rows: Search   Export:

DepartmentNa...	RoleName	EmployeeCount
Engineering	Developer	2

V.

```
.58
.59    -- 6
.60    SELECT E.ID AS Employee_ID, EB.BadgeIn, EB.BadgeOut,
.61        O.Code AS Office_Code, O.City, O.Street, O.Number, O.Country
.62    FROM EmloyeeBadging EB, OFFICE O, EMPLOYEE E
.63    WHERE EB.Office = O.Code AND EB.Employee = E.ID
.64        AND E.Name LIKE 'Maria%'
.65
```

100%   1:159   4 errors found

Result Grid   Filter Rows: Search   Export:

Employee_ID	BadgeIn	BadgeOut	Office_Code	City	Street	Number	Country
1	2024-06-01 08:00:00	2024-06-01 17:00:00	OFF001	Seattle	Microsoft Way	1	USA
1	2024-06-02 08:00:00	NULL	OFF001	Seattle	Microsoft Way	1	USA

VI.

```
166    -- 7
167    SELECT E.Name AS Employee, C.Name AS Company, D.Name AS Department
168    FROM Employee E, Company C, Department D, EmployeeDepartment ED, EmloyeeBadging EB
169    WHERE E.ID = ED.Employee AND ED.Department = D.ID AND D.Company = C.ID AND EB.Employee = E.ID
170        AND DATE(EB.BadgeIn) = DATE '2024-06-01' AND ED.Date = (
171            SELECT MAX(ED2.date)
172            FROM EmployeeDepartment ED2
173            WHERE ED2.Employee = E.ID
174        );
175
```

100%   6:166   4 errors found

Result Grid   Filter Rows: Search   Export:

Employee	Company	Department
Maria Lopez	Microsoft	Engineering
John Smith	Netflix	Marketing
Alice Brown	EcoWorld	R&D
Mark Davis	Tesla	Operations
Jane Doe	Shopify	Operations

VII.

```
176    -- 8
177  • SELECT ED.Employee, ED.Date AS Department_Date, ED.Department,
178        ER.Date AS Role_Date, ER.AssignedRole, ER.RoleStartingYear
179    FROM EmployeeDepartment ED INNER JOIN EmployeeRole ER ON ED.Employee = ER.Employee AND ED.Employee = '1'
180    ORDER BY Department_Date DESC, Role_Date DESC
181
```

100% ⇕ 5:176 4 errors found

Result Grid | ↻ | Filter Rows: Search | Export: 💾

Employee	Department_Date	Department	Role_Date	AssignedRole	RoleStartingYear
1	2024-01-01	1	2024-01-01	1	2020
1	2024-01-01	1	2021-01-01	3	2021
1	2022-01-01	2	2024-01-01	1	2020
1	2022-01-01	2	2021-01-01	3	2021

VIII.

```
182    -- 9
183 ☒ SELECT R.ID, R.Name, R.Description, UR.UserId, UR.Date
184    FROM Report R, UserReport UR
185    WHERE UR.ReportID = R.ID
186    ORDER BY UR.Date DESC
187
```

100% ⇕ 5:182 4 errors found

Result Grid | ↻ | Filter Rows: Search | Export: 💾

ID	Name	Description	UserId	Date
3	Diversity Report	Gender diversity in roles	3	2024-12-03 09:00:00
2	Quarterly Report	Quarterly performance	2	2024-12-02 11:00:00
1	Annual Report	Annual performance	1	2024-12-01 10:00:00

IX.

```
.87
.88    -- 10
.89    SELECT E.Name, E.Email, EB.employee, E.fullRemote
.90    FROM Employee E LEFT JOIN EmloyeeBadging EB ON E.id = EB.employee AND YEAR(EB.badgeIn) = 2024
.91    WHERE E.fullRemote = FALSE AND EB.employee IS NULL;
.92
```

0% ⇕ 6:188 5 errors found

Result Grid | ↻ | Filter Rows: Search | Export: 💾

Name	Email	employee	fullRemote
Jan Do	jan.do@shopify.com	NULL	0

X.

```
---
193    -- 11
194  • SELECT c.Name AS CompanyName, Ceo.Id AS CEOId, Ceo.NetWealth AS CEONetWealth,
195        (c.nStocks * c.stockValue) AS CompanyNetWealth
196    FROM Company c, Ceo
197    WHERE c.CEO = ceo.Id AND c.nStocks IS NOT NULL AND c.stockValue IS NOT NULL
198    ORDER BY CompanyNetWealth DESC,c.Name ASC;
199
```

00% ⇕ 7:193 5 errors found

Result Grid | ↻ | Filter Rows: Search | Export: 💾

CompanyName	CEOId	CEONetWealth	CompanyNetWealth
Tesla	4	700000000.00	1200750000.00
Microsoft	1	1000000000.00	250000000.00
Netflix	2	500000000.00	175375000.00
Shopify	5	150000000.00	13725000.00
EcoWorld	3	300000000.00	8020000.00

XI.

```
200    -- 12
201 ●  SELECT e.Gender, r.Name AS Role, YEAR(CURDATE()) - er.RoleStartingYear AS ExperienceYears,
202        AVG(er.Salary) AS AverageSalary
203    FROM Employee e,EmployeeRole er, Role r,  EmployeeDepartment ed,  Department d, Company c
204    WHERE e.Id = er.Employee AND er.AssignedRole = r.Id AND e.Id = ed.Employee AND
205        ed.Department = d.Id AND d.Company = c.Id AND c.Name = 'Netflix'
206    GROUP BY e.Gender, r.Name, ExperienceYears;
207
```

100%   ⟳   6:200   5 errors found

Result Grid | ↭ Filter Rows: 🔍 Search   Export: 🖿

Gender	Role	ExperienceYears	AverageSalary
F	Analyst	3	8500.000000
F	Developer	4	80000.000000
M	Manager	6	120000.000000

XII.