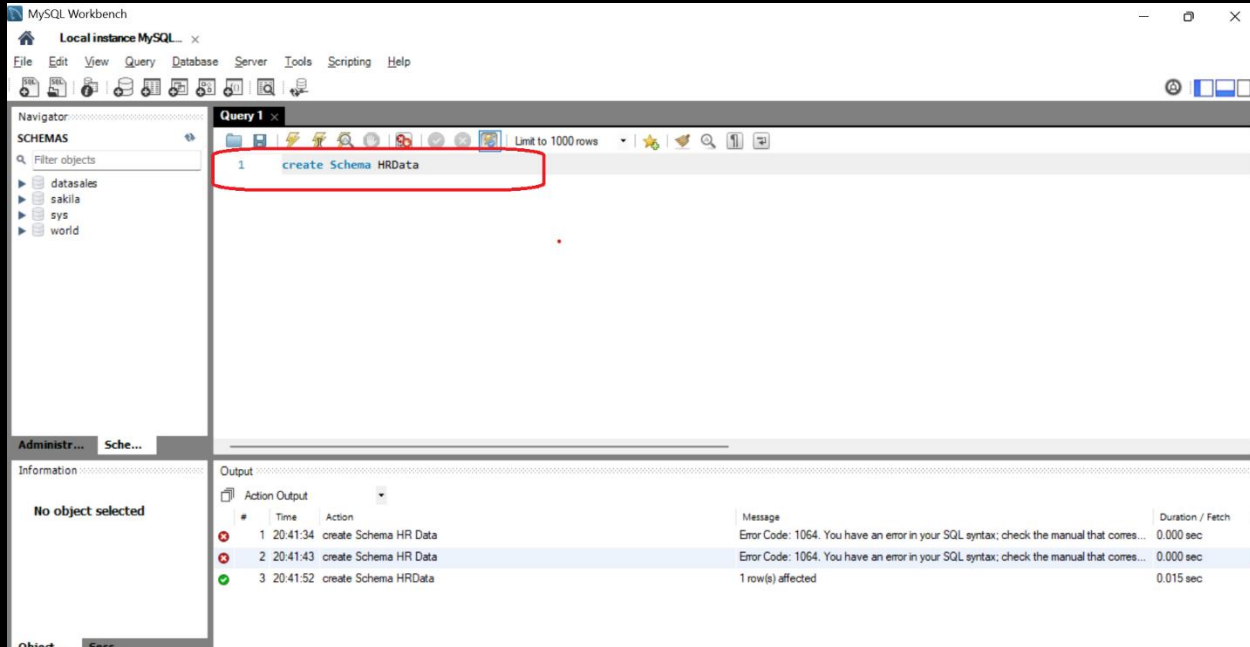
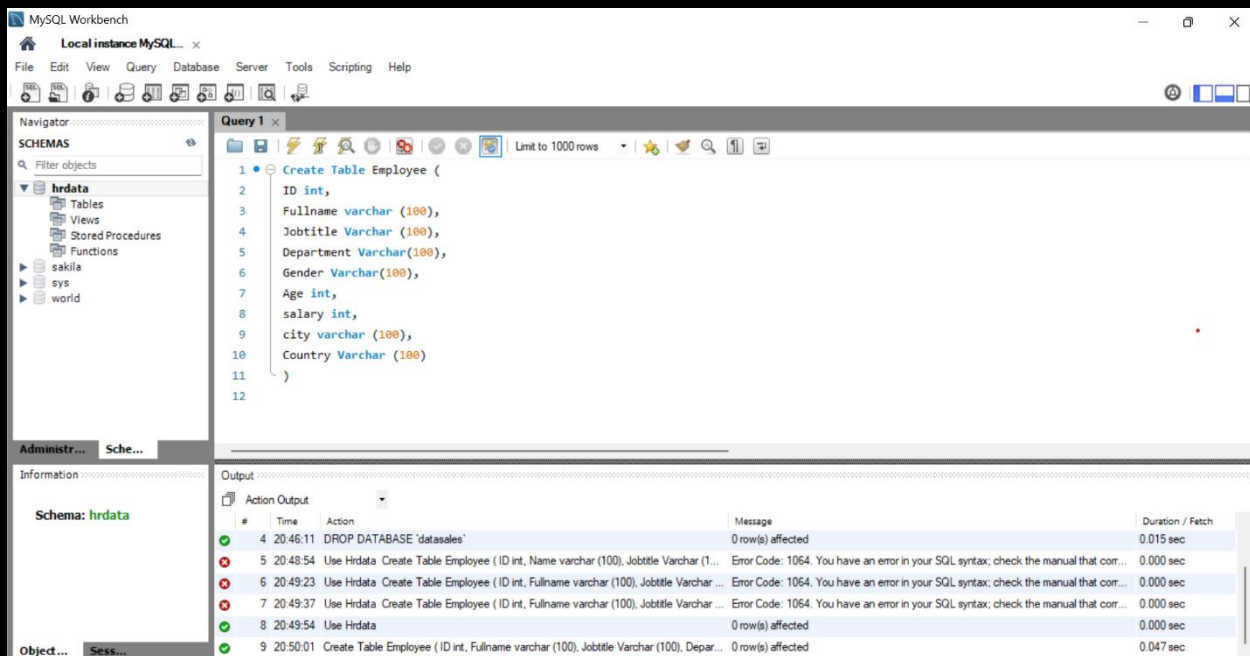


MY SQL WORKBENCH

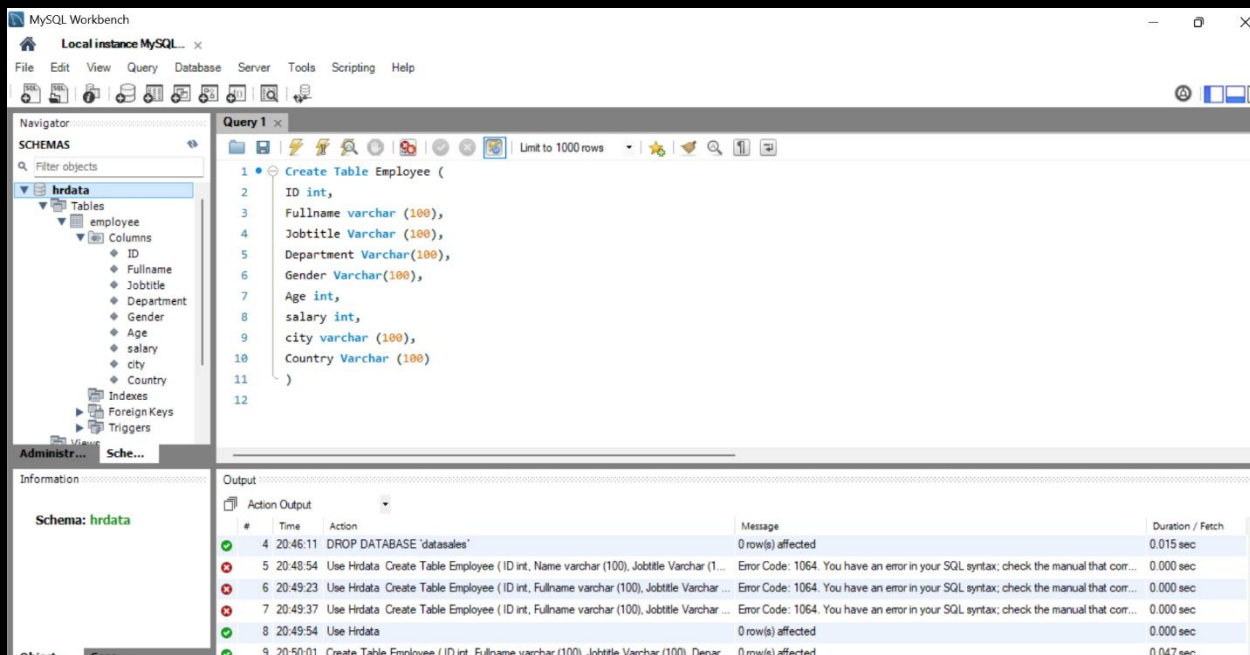
Create Schema



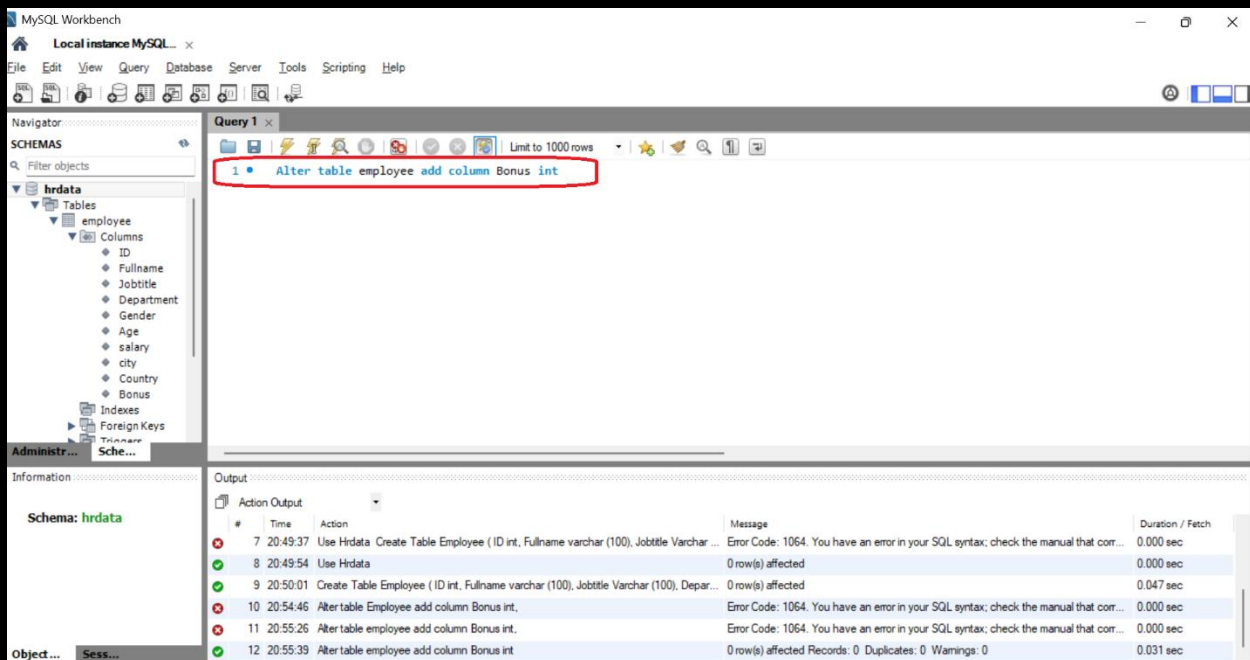
Create Table



MY SQL WORKBENCH



Alter Table



Select *

MY SQL WORKBENCH

The screenshot shows the MySQL Workbench interface. In the left sidebar, the 'Schemas' panel is open, showing a tree view of the 'hrdata' database. The 'Tables' folder is expanded, and the 'employee' table is selected. The 'Columns' folder is also expanded, showing columns like ID, Fullname, Jobtitle, Department, Gender, Age, salary, city, Country, Bonus, and Foreign Keys. The main query editor shows a single query: `Select* from Employee`. The query is highlighted with a red box. The output pane at the bottom shows a list of actions and their results. The last action is 'Select* from Employee LIMIT 0, 1000', which returned 0 rows. The output pane also shows several error messages with Error Code 1064, indicating a syntax error in the query.

Query 1

```
1 Select* from Employee
```

Result Grid

ID	Fullname	Jobtitle	Department	Gender	Age	salary	city	Country	Bonus
----	----------	----------	------------	--------	-----	--------	------	---------	-------

Employee 1

Output

#	Time	Action	Message	Duration / Fetch
13	20:58:45	Alter table Employee Change jobtitle Desigation Varchar(100),	Error Code: 1064. You have an error in your SQL syntax; check the manual that cor...	0.000 sec
14	20:58:54	Alter table Employee Change Jobtitle Desigation Varchar(100),	Error Code: 1064. You have an error in your SQL syntax; check the manual that cor...	0.000 sec
15	20:59:01	Alter table Employee Change Jobtitle Desigation Varchar(100),	Error Code: 1064. You have an error in your SQL syntax; check the manual that cor...	0.000 sec
16	20:59:07	Alter table Employee Change Jobtitle Desigation Varchar(100),	Error Code: 1064. You have an error in your SQL syntax; check the manual that cor...	0.000 sec
17	20:59:28	Alter table Employee Change Jobtitle as Desigation Varchar(100),	Error Code: 1064. You have an error in your SQL syntax; check the manual that cor...	0.000 sec
18	21:08:56	Select* from Employee LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec

Drop Table

The screenshot shows the MySQL Workbench interface. In the left sidebar, the 'Schemas' panel is open, showing a tree view of the 'hrdata' database. The 'Tables' folder is expanded, and the 'employee' table is selected. The main query editor shows a single query: `Drop table Employee`. The query is highlighted with a red box. The output pane at the bottom shows a list of actions and their results. The last action is 'Drop table Employee', which affected 0 rows. The output pane also shows several error messages with Error Code 1064, indicating a syntax error in the query.

Query 1

```
1 Drop table Employee
```

Output

#	Time	Action	Message	Duration / Fetch
18	21:08:56	Select* from Employee LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
19	21:13:44	Insert into Employee values (001,"Antony","Executive","Sales","Male",600000,"Ab...	Error Code: 1064. You have an error in your SQL syntax; check the manual that cor...	0.000 sec
20	21:14:16	Insert into Employee values (001,"Antony","Executive","Sales","Male",600000,"Ab...	Error Code: 1136. Column count doesn't match value count at row 1	0.000 sec
21	21:15:09	Insert into Employee values (001,"Antony","Executive","Sales","Male",600000,"Ab...	Error Code: 1064. You have an error in your SQL syntax; check the manual that cor...	0.000 sec
22	21:15:19	Insert into Employee values (001,"Antony","Executive","Sales","Male",600000,"Ab...	Error Code: 1064. You have an error in your SQL syntax; check the manual that cor...	0.000 sec
23	21:20:04	Select* from Employee LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
24	21:21:01	Drop table Employee	0 row(s) affected	0.016 sec

MY SQL WORKBENCH

Add Value

The screenshot shows the MySQL Workbench interface. On the left, the 'SCHEMAS' pane displays the 'hrdata' database with its tables and columns. The 'employee' table is selected, showing columns: ID, Fullname, JobTitle, Gender, Annualsalary, and City. The main query editor shows a single query: `Insert into Employee Values (022,"Rajath","Developer","male",752000,"Mumbai")`. Below the query editor, the 'Output' pane shows the 'Action Output' table, which lists the execution details of the query.

#	Time	Action	Message	Duration / Fetch
30	08:55:09	Insert into Employee Values (012,"Vishnu Varadhan","Full Stack Developer","male",...	1 row(s) affected	0.015 sec
31	08:55:47	Insert into Employee Values (015,"Merlin","Hr Executive","female",356000,"Chenn...	1 row(s) affected	0.016 sec
32	08:56:46	Insert into Employee Values (078,"Deepa","Developer","female",700000,"Bangalor...	1 row(s) affected	0.016 sec
33	08:57:32	Insert into Employee Values (051,"Jacklin","Sales Executive","female",1000000,"...	1 row(s) affected	0.016 sec
34	08:58:15	Insert into Employee Values (037,"Janani","Data Analyst","female",610000,"Banga...	1 row(s) affected	0.032 sec
35	08:58:58	Insert into Employee Values (042,"Gokul","HCM Consultant","male",640000,"Coim...	1 row(s) affected	0.015 sec
36	08:59:58	Insert into Employee Values (009,"Harshath Khan","Full Stack Developer","male",34...	1 row(s) affected	0.000 sec
37	09:00:40	Insert into Employee Values (013,"Sareena","Analyst","female",450000,"Chennai")	1 row(s) affected	0.000 sec
38	09:02:22	Insert into Employee Values (022,"Rajath","Developer","male",752000,"Mumbai")	1 row(s) affected	0.015 sec

Select * From Employee

The screenshot shows the MySQL Workbench interface. The query editor shows a single query: `Select * From Employee`. Below the query editor, the 'Result Grid' pane displays the results of the query. The results are shown in a table with columns: ID, Fullname, JobTitle, Gender, Annualsalary, and City. The table contains 15 rows of data.

ID	Fullname	JobTitle	Gender	Annualsalary	City
1	Antony	Exective	Male	500000	Chennai
2	Daniel	HR Recruiter	Male	350000	Chennai
3	Prasanth	Admin	Male	400000	Chennai
41	Leena Antony	Developer	female	700000	Coimbatore
58	Manisha	Accountant	female	500000	Bangalore
5	John Vijay	Analyst	male	350000	Bangalore
6	Dinesh	Hr Recruiter	male	421000	Chennai
8	Swathy	Admin	female	600000	Bangalore
91	Gontham	Marketing Executive	male	1000000	Coimbatore
11	Pravin Palanisamy	Data Analyst	male	500000	Chennai
12	Vishnu Varadhan	Full Stack Developer	male	500000	Chennai
15	Merlin	Hr Executive	female	356000	Chennai
78	Deepa	Developer	female	700000	Bangalore
51	Jacklin	Sales Executive	female	1000000	Mumbai
37	Janani	Data Analyst	female	610000	Bangalore
42	Gokul	HCM Consultant	male	640000	Coimbatore
9	Harshath Khan	Full Stack Developer	male	341000	Bangalore

MY SQL WORKBENCH

Add new table

MySQL Workbench

Local instance MySQL80

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hrdata

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Schema: hrdata

Query 1

```
1 ALTER TABLE employee
2 ADD COLUMN country VARCHAR(100);
3
```

Output

#	Time	Action	Message	Duration / Fetch
43	09:15:28	Insert into Employee Values (020,"Sidhu","Developer","male",431000,"Coimbatore")	1 row(s) affected	0.016 sec
44	09:16:04	Insert into Employee Values (025,"Shalini","Analyst","female",700000,"Chennai")	1 row(s) affected	0.015 sec
45	09:16:20	Select * From Employee LIMIT 0, 1000	25 row(s) returned	0.000 sec / 0.000 sec
46	09:21:47	Alter Table Employee Add Columns Country Varchar (100).	Error Code: 1064. You have an error in your SQL syntax; check the manual that corr...	0.015 sec
47	09:22:09	Alter Table Employee Add Columns Country Varchar(100)	Error Code: 1064. You have an error in your SQL syntax; check the manual that corr...	0.000 sec
48	09:22:26	Alter Table Employee Add Columns Country Varchar(100)	Error Code: 1064. You have an error in your SQL syntax; check the manual that corr...	0.000 sec
49	09:22:36	Alter Table Employee Add Columns Country Varchar (100).	Error Code: 1064. You have an error in your SQL syntax; check the manual that corr...	0.000 sec
50	09:22:47	Use Hrdata Alter Table Employee Add Columns Country Varchar (100).	Error Code: 1064. You have an error in your SQL syntax; check the manual that corr...	0.000 sec
51	09:22:53	Use Hrdata	0 row(s) affected	0.000 sec
52	09:23:35	Alter Table Employee add Columns Country Varchar (100)	Error Code: 1064. You have an error in your SQL syntax; check the manual that corr...	0.000 sec
53	09:26:01	ALTER TABLE employee ADD COLUMN country VARCHAR(100)	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.062 sec

Drop the Columns

MySQL Workbench

Local instance MySQL80

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Information

Schema: hrdata

Query 1

```
1 ALTER TABLE Employee
2 DROP COLUMN country;
3
```

Output

#	Time	Action	Message	Duration / Fetch
54	09:26:01	ALTER TABLE Employee DROP COLUMN country;	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.062 sec

MY SQL WORKBENCH

Select all where salary > 500000

The screenshot shows the MySQL Workbench interface. The 'Navigator' pane on the left displays the 'hrdata' schema with tables 'employee', 'dept', and 'job_history'. The 'Schemas' pane shows 'hrdata' selected. The 'Query Editor' pane contains the following SQL query:

```
1 Select *
2 From Employee
3 Where AnnualSalary > 500000;
```

The 'Result Grid' pane displays the results of the query, showing 10 rows of employee data with columns: ID, Fullname, JobTitle, Gender, AnnualSalary, and City.

ID	Fullname	JobTitle	Gender	AnnualSalary	City
41	Leena Antony	Developer	female	700000	Coimbatore
8	Swathy	Admin	female	600000	Bangalore
91	Gowtham	Marketing Executive	male	1000000	Coimbatore
78	Deepa	Developer	female	700000	Bangalore
51	Jadlin	Sales Executive	female	1000000	Mumbai
37	Janani	Data Analyst	female	610000	Bangalore
42	Gokul	HCM Consultant	male	640000	Coimbatore
22	Rajath	Developer	male	752000	Mumbai
25	Shalini	Analyst	female	700000	Chennai

Select * Where City = Chennai

The screenshot shows the MySQL Workbench interface. The 'Navigator' pane on the left displays the 'hrdata' schema with tables 'employee', 'dept', and 'job_history'. The 'Schemas' pane shows 'hrdata' selected. The 'Query Editor' pane contains the following SQL query:

```
1 Select *
2 From employee
3 Where City ="Chennai";
4
```

The 'Result Grid' pane displays the results of the query, showing 10 rows of employee data with columns: ID, Fullname, JobTitle, Gender, AnnualSalary, and City.

ID	Fullname	JobTitle	Gender	AnnualSalary	City
1	Antony	Executive	Male	500000	Chennai
2	Daniel	HR Recruiter	Male	350000	Chennai
3	Prasanth	Admin	Male	400000	Chennai
6	Dinesh	Hr Recruiter	male	421000	Chennai
11	Pravin Palanisamy	Data Analyst	male	500000	Chennai
12	Vishnu Varadhan	Full Stack Developer	male	500000	Chennai
15	Merlin	Hr Executive	female	356000	Chennai
13	Sareena	Analyst	female	450000	Chennai
81	Sreemathi	Hr Recruiter	female	450000	Chennai
25	Shalini	Analyst	female	700000	Chennai

MY SQL WORKBENCH

Sum of Annual Salary

The screenshot shows the MySQL Workbench interface. On the left, the 'SCHEMAS' pane displays a tree view with 'hrdata' selected. Under 'hrdata', the 'Tables' folder is expanded, showing 'employee'. The 'Columns' folder for 'employee' is also expanded, listing 'ID', 'Fullname', 'JobTitle', 'Gender', 'Annualsalary', and 'City'. The 'Information' pane at the bottom left shows 'Schema: hrdata'. The main query editor, titled 'Query 1', contains the following SQL code:

```
1 • Select sum(annualsalary)
2 From Employee;
```

The query is highlighted with a red rectangle. Below the query editor, the 'Result Grid' shows the output of the query:

sum(annualsalary)
13344000

Sum of Annual salary as Total Salary

The screenshot shows the MySQL Workbench interface. On the left, the 'SCHEMAS' pane displays a tree view with 'hrdata' selected. Under 'hrdata', the 'Tables' folder is expanded, showing 'employee'. The 'Columns' folder for 'employee' is also expanded, listing 'ID', 'Fullname', 'JobTitle', 'Gender', 'Annualsalary', and 'City'. The 'Information' pane at the bottom left shows 'Schema: hrdata'. The main query editor, titled 'Query 1', contains the following SQL code:

```
1 • Select sum(annualsalary) as TotalSalary
2 From Employee;
```

The query is highlighted with a red rectangle. Below the query editor, the 'Result Grid' shows the output of the query:

TotalSalary
13344000

MY SQL WORKBENCH

Max Salary As MAX Salary

The screenshot shows the MySQL Workbench interface. The 'Query 1' editor contains the following SQL query:

```
1 • Select max(Annualsalary) as Maxsaalry
2 From Employee;
```

The query is highlighted with a red box. The 'Result Grid' shows the output:

Maxsaalry
752000

The 'Output' pane shows the execution log with the following entries:

#	Time	Action	Message	Duration / Fetch
69	12:04:08	Select * From Employee Where AnnualSalary > 500000 LIMIT 0, 1000	9 row(s) returned	0.000 sec / 0.000 sec
70	12:09:54	Select * From employee Where City = "Chennai" LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
71	12:17:41	Select Sum(Salary) From Employee LIMIT 0, 1000	Error Code: 1054. Unknown column 'Salary' in field list	0.000 sec
72	12:18:15	Select sum(annualsalary) From Employee LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
73	12:22:00	Select sum(annualsalary) as Total Salary From Employee	Error Code: 1064. You have an error in your SQL syntax; check the manual that corr...	0.000 sec
74	12:22:16	Select sum(annualsalary) as TotalSalary From Employee LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
75	12:40:26	Select max(Annualsalary) as Maxsaalry From Employee LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

MIN Salary as Min Salary

The screenshot shows the MySQL Workbench interface. The 'Query 1' editor contains the following SQL query:

```
1 • Select min(Annualsalary) as Minsalary
2 from Employee
```

The query is highlighted with a red box. The 'Result Grid' shows the output:

Minsalary
1000000

The 'Result Grid' is also highlighted with a red box. The 'Output' pane shows the execution log with the following entries:

#	Time	Action	Message	Duration / Fetch
69	12:04:08	Select * From Employee Where AnnualSalary > 500000 LIMIT 0, 1000	9 row(s) returned	0.000 sec / 0.000 sec
70	12:09:54	Select * From employee Where City = "Chennai" LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
71	12:17:41	Select Sum(Salary) From Employee LIMIT 0, 1000	Error Code: 1054. Unknown column 'Salary' in field list	0.000 sec
72	12:18:15	Select sum(annualsalary) From Employee LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
73	12:22:00	Select sum(annualsalary) as Total Salary From Employee	Error Code: 1064. You have an error in your SQL syntax; check the manual that corr...	0.000 sec
74	12:22:16	Select sum(annualsalary) as TotalSalary From Employee LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
75	12:40:26	Select max(Annualsalary) as Maxsaalry From Employee LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

MY SQL WORKBENCH

Avg salary as AVG salary

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'Schemas' tree with 'hrdata' expanded, showing 'Tables' and 'Columns'. The 'Columns' list includes ID, Fullname, JobTitle, Gender, Annualsalary, and City. The main query editor contains the following SQL code:

```
1 • Select avg(Annualsalary) as AVGSalary
2 from Employee;
```

The 'Result Grid' at the bottom shows a single row with the value 533760 under the column 'AVGSalary'.

AVGSalary
533760

Count job title = "Analyst"

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'Schemas' tree with 'hrdata' expanded, showing 'Tables' and 'Columns'. The 'Columns' list includes ID, Fullname, JobTitle, Gender, Annualsalary, and City. The main query editor contains the following SQL code:

```
1 • Select count(annualsalary)
2 from employee
3 where JobTitle="Analyst";
```

The 'Result Grid' at the bottom shows a single row with the value 3 under the column 'count(annualsalary)'.

count(annualsalary)
3

Count of Employee by Gender

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'Schemas' tree with 'hrdata' expanded, showing 'Tables' and 'Columns'. The 'Columns' list includes ID, Fullname, JobTitle, Gender, Annualsalary, and City. The main query editor contains the following SQL code:

```
1 • SELECT Gender, COUNT(*) AS TotalEmployees
2 FROM EmpLoyee
3 GROUP BY Gender;
```

The 'Result Grid' at the bottom shows two rows: Male with 15 and female with 10.

Gender	TotalEmployees
Male	15
female	10

MY SQL WORKBENCH

Highest Paid Employee

The screenshot shows the MySQL Workbench interface. The Navigator pane on the left displays the 'hrdata' database schema with tables 'employee' and 'job_history'. The 'employee' table is selected, showing columns: ID, FullName, JobTitle, Gender, AnnualSalary, and City. The Query Editor shows the following SQL query:

```
1 SELECT FullName, JobTitle, AnnualSalary, City
2 FROM Employee
3 ORDER BY AnnualSalary DESC
4 LIMIT 1;
```

The Result Grid shows the output of the query:

FullName	JobTitle	AnnualSalary	City
Rajath	Developer	752000	Mumbai

Employees Earning Above Average Salary

The screenshot shows the MySQL Workbench interface. The Navigator pane on the left displays the 'hrdata' database schema with tables 'employee' and 'job_history'. The 'employee' table is selected, showing columns: ID, FullName, JobTitle, Gender, AnnualSalary, and City. The Query Editor shows the following SQL query:

```
1 SELECT FullName, JobTitle, AnnualSalary, City
2 FROM Employee
3 WHERE AnnualSalary > (SELECT AVG(AnnualSalary) FROM Employee)
4 ORDER BY AnnualSalary DESC;
```

The Result Grid shows the output of the query:

FullName	JobTitle	AnnualSalary	City
Rajath	Developer	752000	Mumbai
Leena Antony	Developer	700000	Coimbatore
Deepa	Developer	700000	Bangalore
Shalini	Analyst	700000	Chennai
Gokul	HCM Consultant	640000	Coimbatore
Janani	Data Analyst	610000	Bangalore
Swathy	Admin	600000	Bangalore
Gowtham	Marketing Executive	1000000	Coimbatore
Jacklin	Sales Executive	1000000	Mumbai

MY SQL WORKBENCH

Top 3 Highest Paying Jobs

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'Schemas' tree with 'hrdata' selected. The main query editor contains the following SQL query:

```
1 SELECT JobTitle, ROUND(AVG(AnnualSalary), 2) AS AvgSalary
2 FROM Employee
3 GROUP BY JobTitle
4 ORDER BY AvgSalary DESC
5 LIMIT 3;
```

The query results are displayed in the 'Result Grid' at the bottom:

JobTitle	AvgSalary
Marketing Executive	1000000
Sales Executive	670500
Developer	645750

List of Employees in a Chennai

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'Schemas' tree with 'hrdata' selected. The main query editor contains the following SQL query:

```
1 SELECT Fullname, JobTitle, Annualsalary
2 FROM Employee
3 WHERE City = 'Chennai';
```

The query results are displayed in the 'Result Grid' at the bottom:

Fullname	JobTitle	Annualsalary
Antony	Exective	500000
Daniel	HR Recruiter	350000
Prasanth	Admin	400000
Dinesh	Hr Recruiter	421000
Pravin Palanisamy	Data Analyst	500000
Vishnu Varadhan	Full Stack Developer	500000
Merlin	Hr Exective	356000
Sareena	Analyst	450000
Sreemathi	Hr Recruiter	450000
Shalini	Analyst	700000