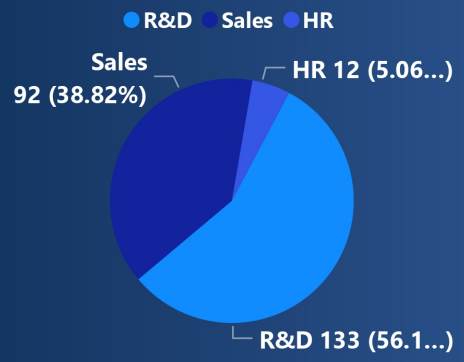
HR ANALYTICS DASHBOARD

Associates Degree | Bachelor's Degree | Doctoral Degree | High School | Master's Degree

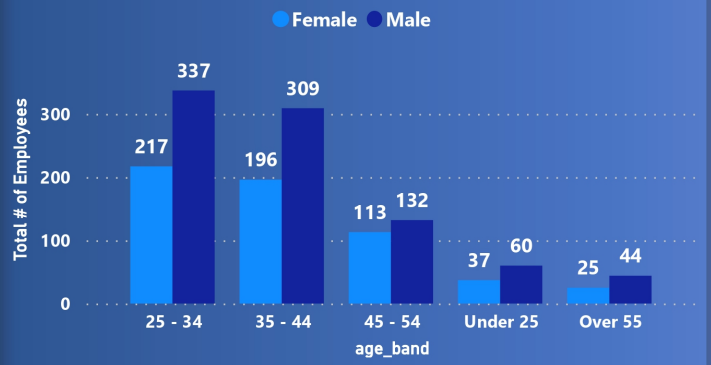
Gender: Female | Male

Total # of Employees	Total # of Attrition	% of Attrition	Active Employees	Avg. Age
1470	237	16.12%	1233	37

Department Wise Attritions



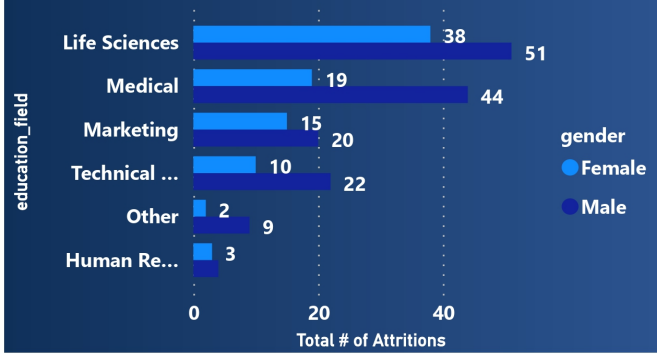
Total # of Employees by age_band and gender



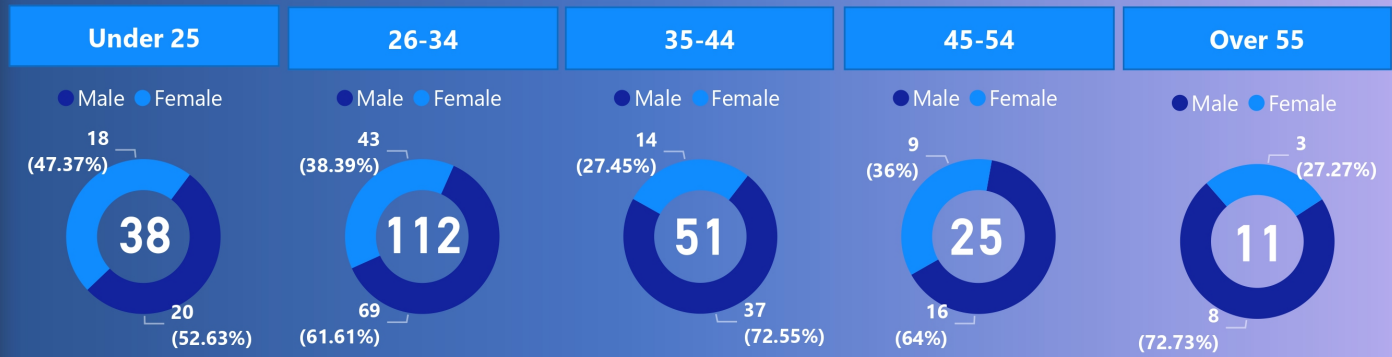
Job Satisfaction Rating

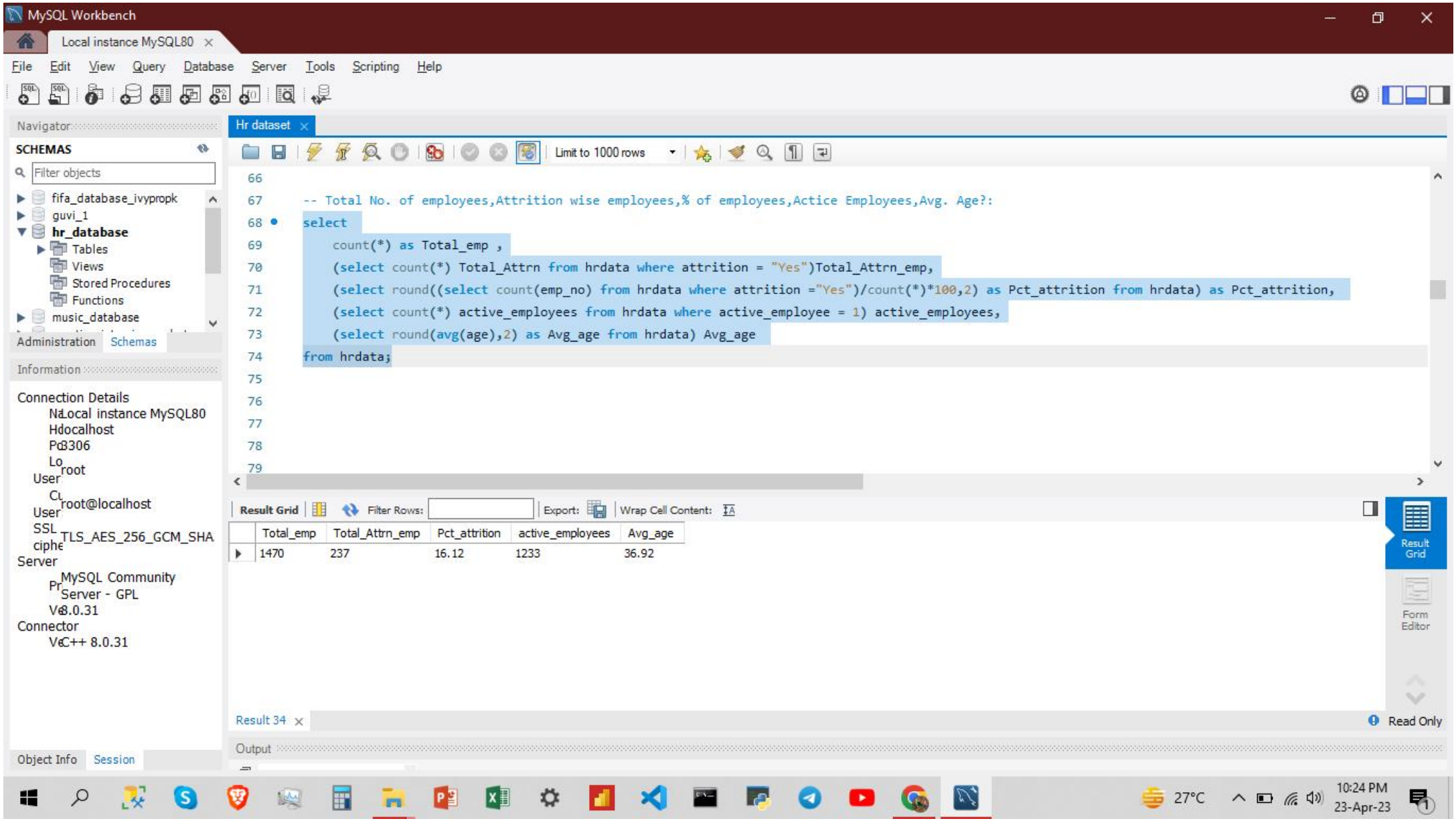
job_role	1	2	3	4	Total
Healthcare Representative	26	19	43	43	131
Human Resources	10	16	13	13	52
Laboratory Technician	56	48	75	80	259
Manager	21	21	27	33	102
Manufacturing Director	26	32	49	38	145
Research Director	15	16	27	22	80
Research Scientist	54	53	90	95	292
Sales Executive	69	54	91	112	326
Sales Representative	12	21	27	23	83
Total	289	280	442	459	1470

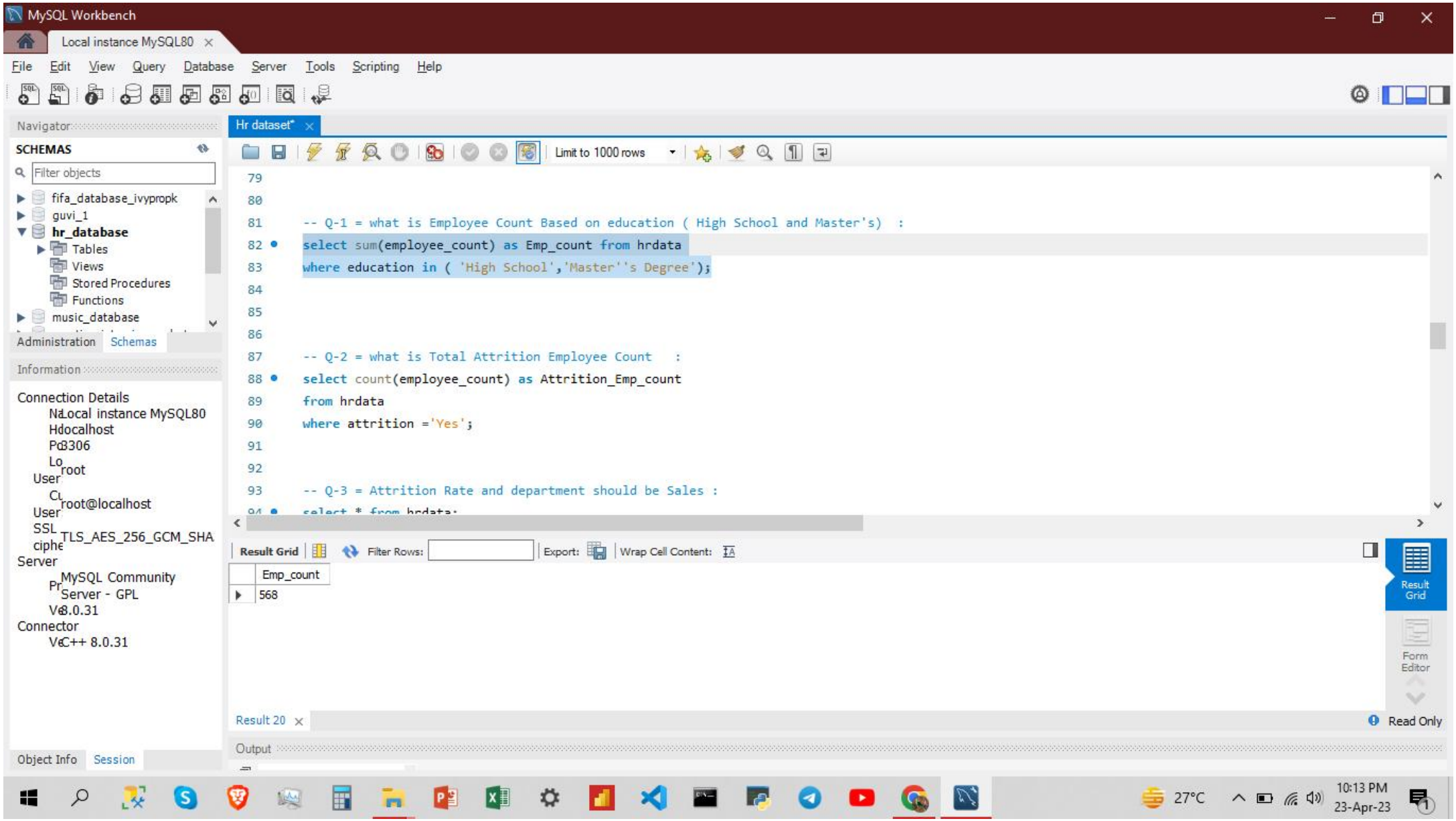
Education_Field Wise Atrrition

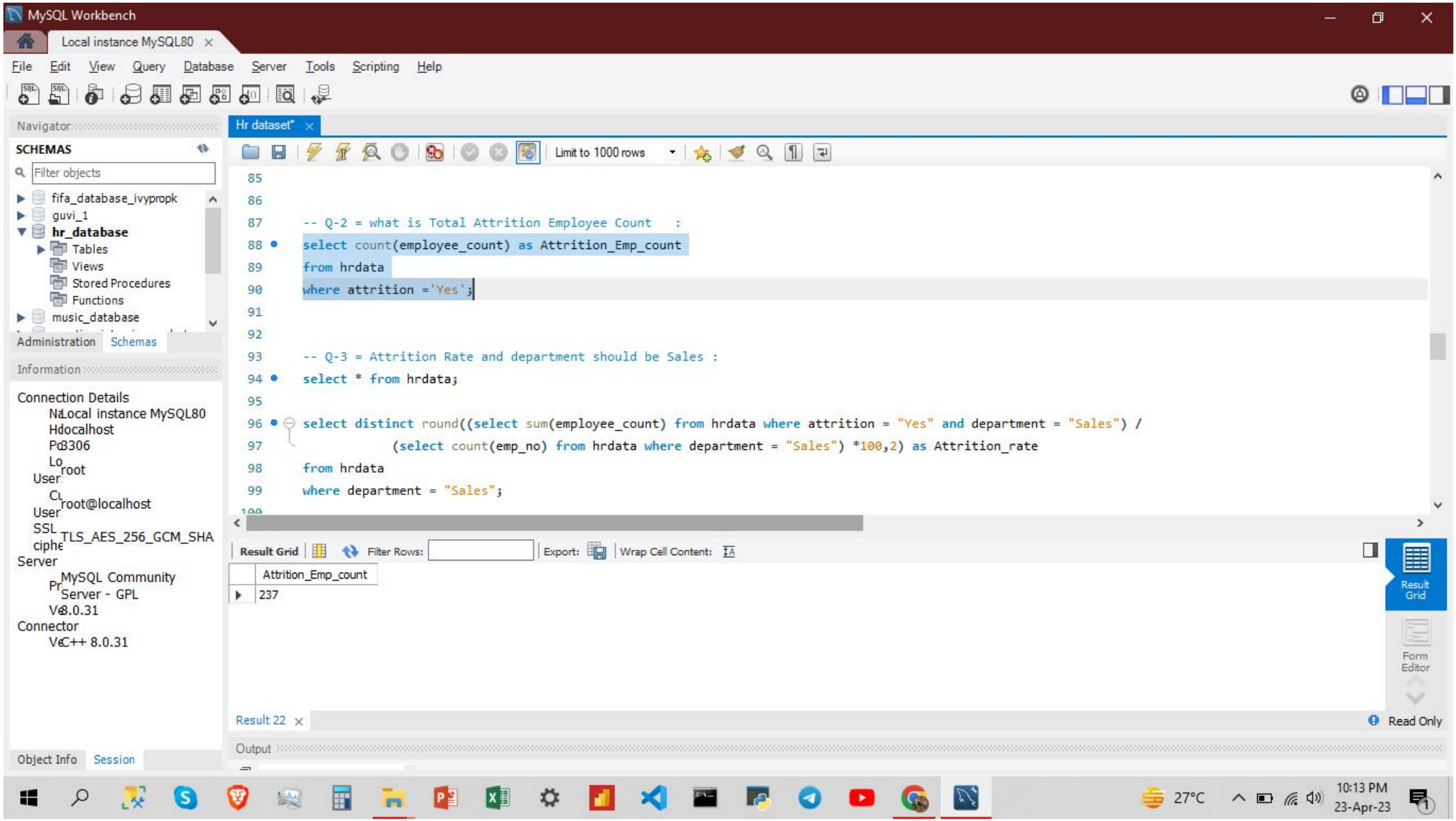


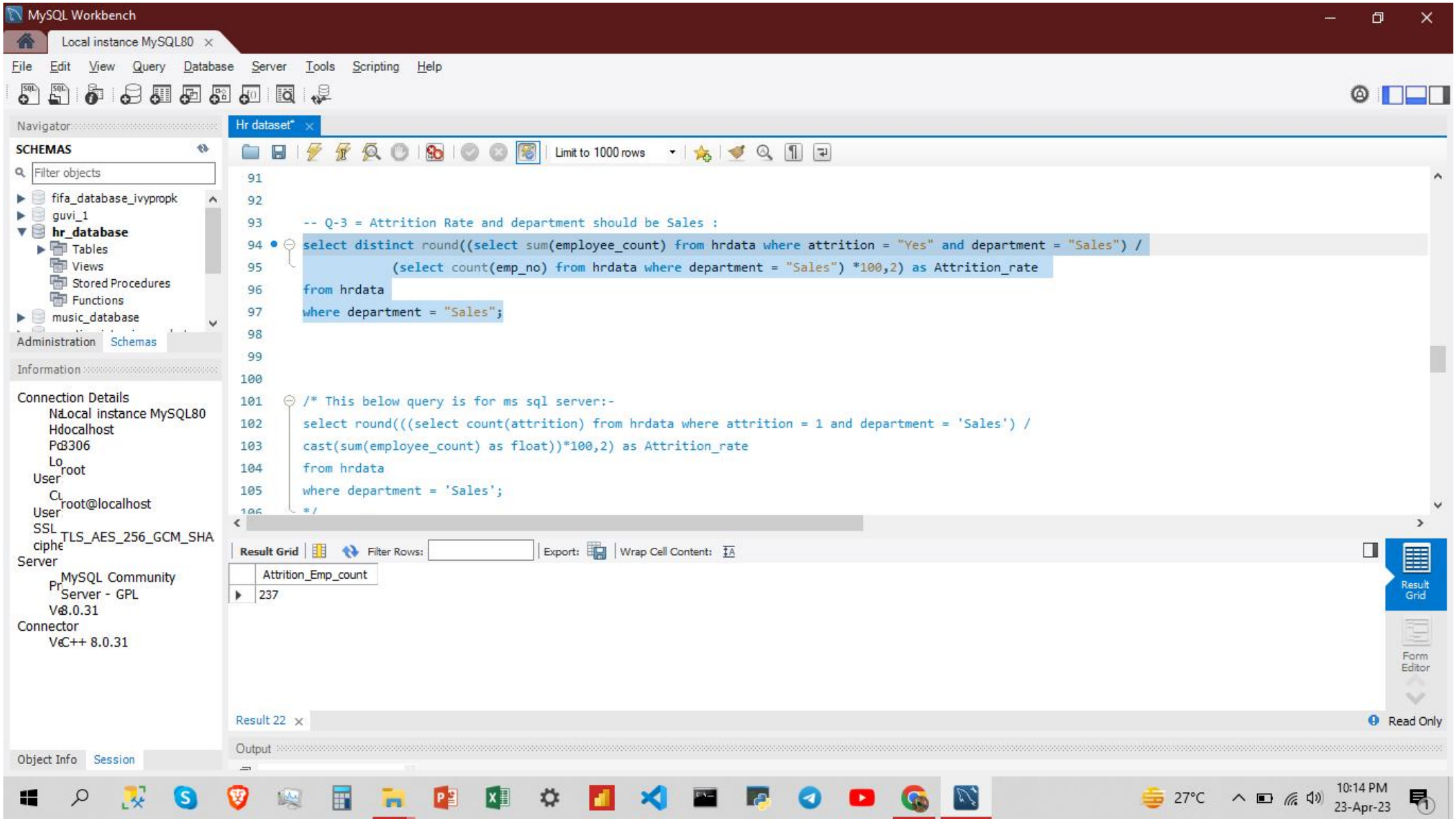
Attrition Rate By Gender For Different Age Group

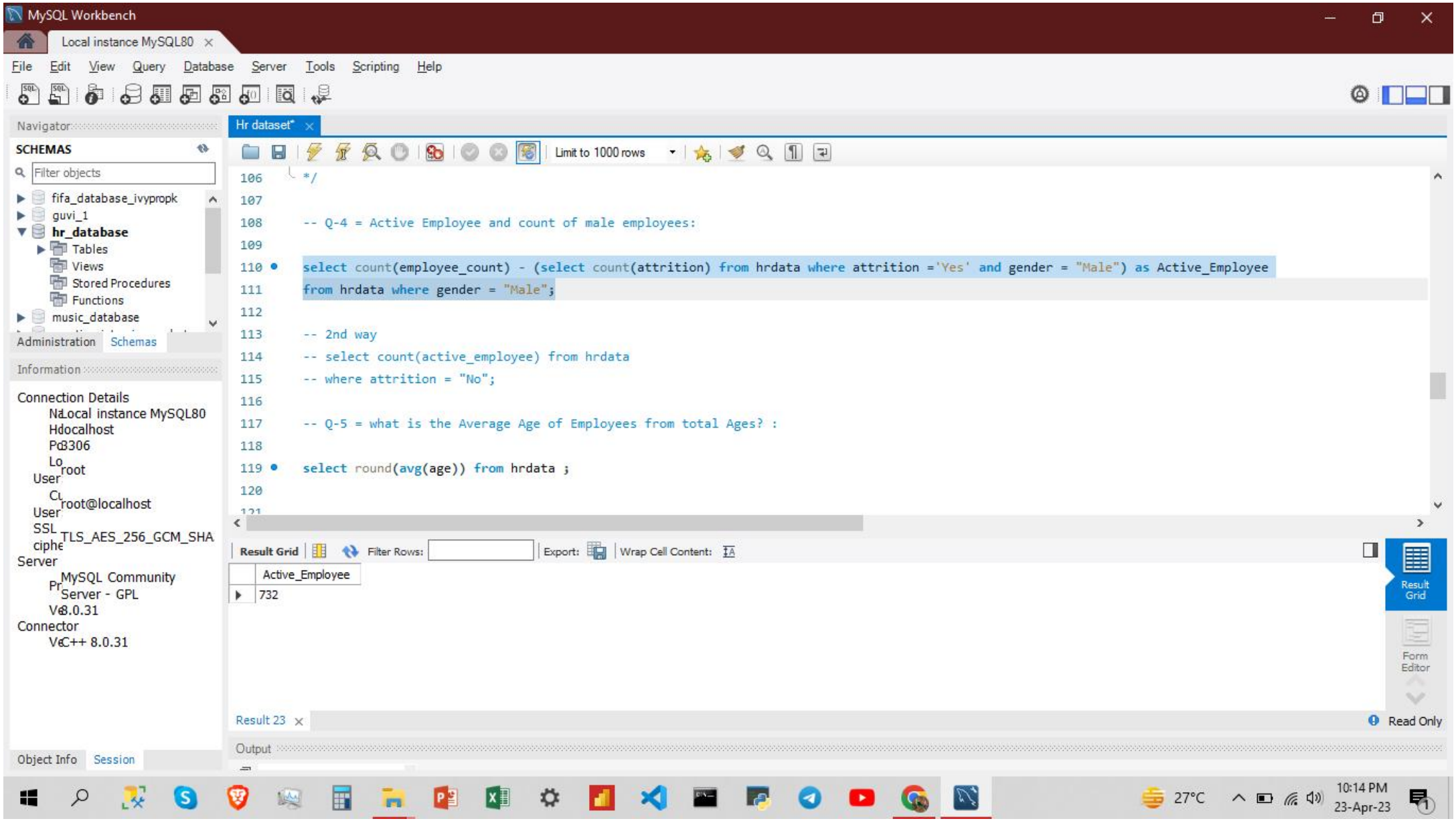


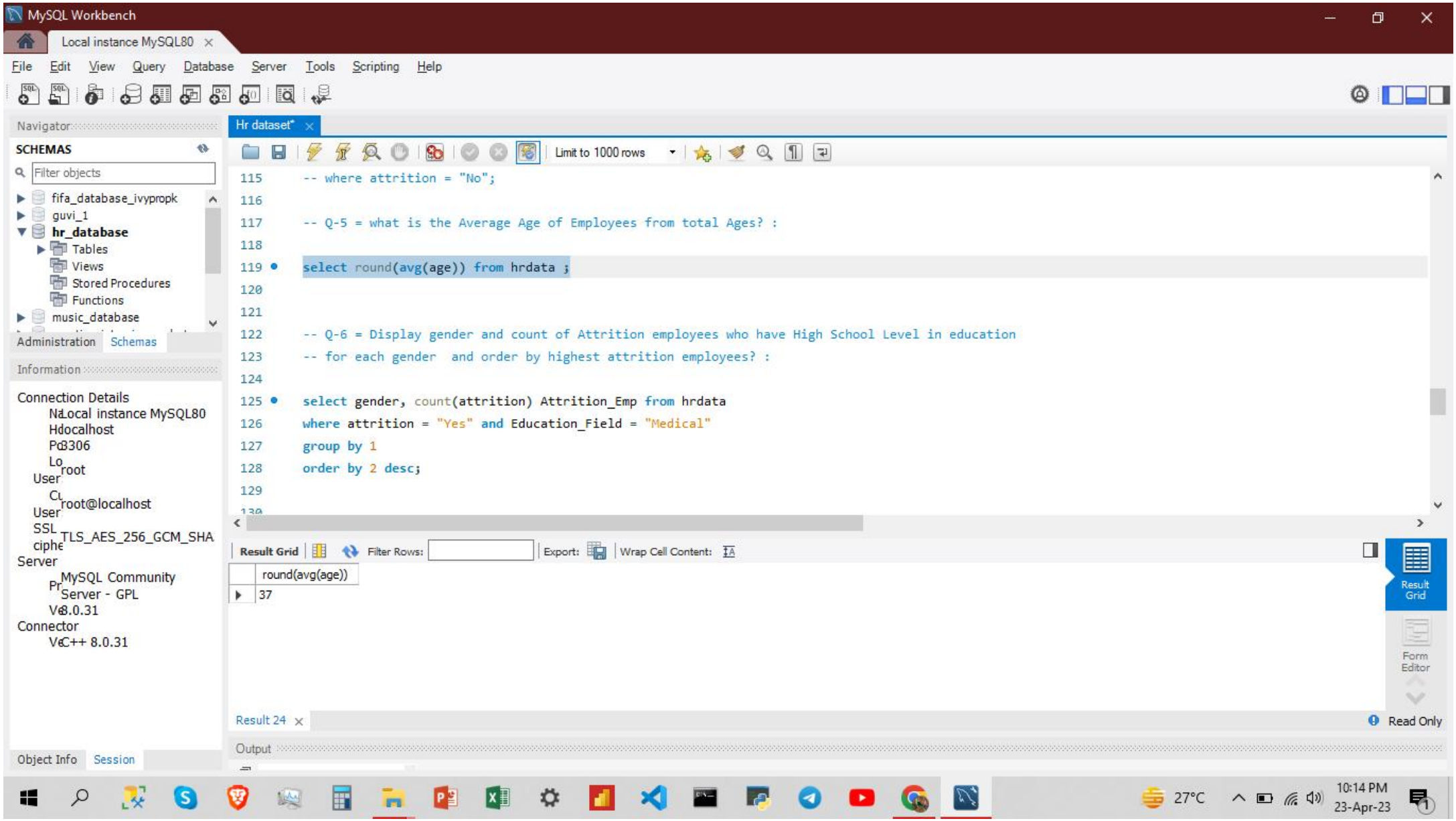

MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
fifa_database_ivypropk
guvi_1
hr_database
Tables
Views
Stored Procedures
Functions
music_database
Administration Schemas
Information
Connection Details
Local instance MySQL80
localhost
3306
root
root@localhost
TLS_AES_256_GCM_SHA
MySQL Community Server - GPL
8.0.31
C++ 8.0.31
Object Info Session
Hr dataset
Limit to 1000 rows
66
67 -- Total No. of employees,Attrition wise employees,% of employees,Actice Employees,Avg. Age?:
68 select
69 count(*) as Total_emp ,
70 (select count(*) Total_Attrn from hrdata where attrition = "Yes")Total_Attrn_emp,
71 (select round((select count(emp_no) from hrdata where attrition ="Yes")/count(*)*100,2) as Pct_attrition from hrdata) as Pct_attrition,
72 (select count(*) active_employees from hrdata where active_employee = 1) active_employees,
73 (select round(avg(age),2) as Avg_age from hrdata) Avg_age
74 from hrdata;
75
76
77
78
79
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
Total_emp Total_Attrn_emp Pct_attrition active_employees Avg_age
1470 237 16.12 1233 36.92
Result Grid
Form Editor
Result 34
Read Only
Output
27°C
10:24 PM
23-Apr-23

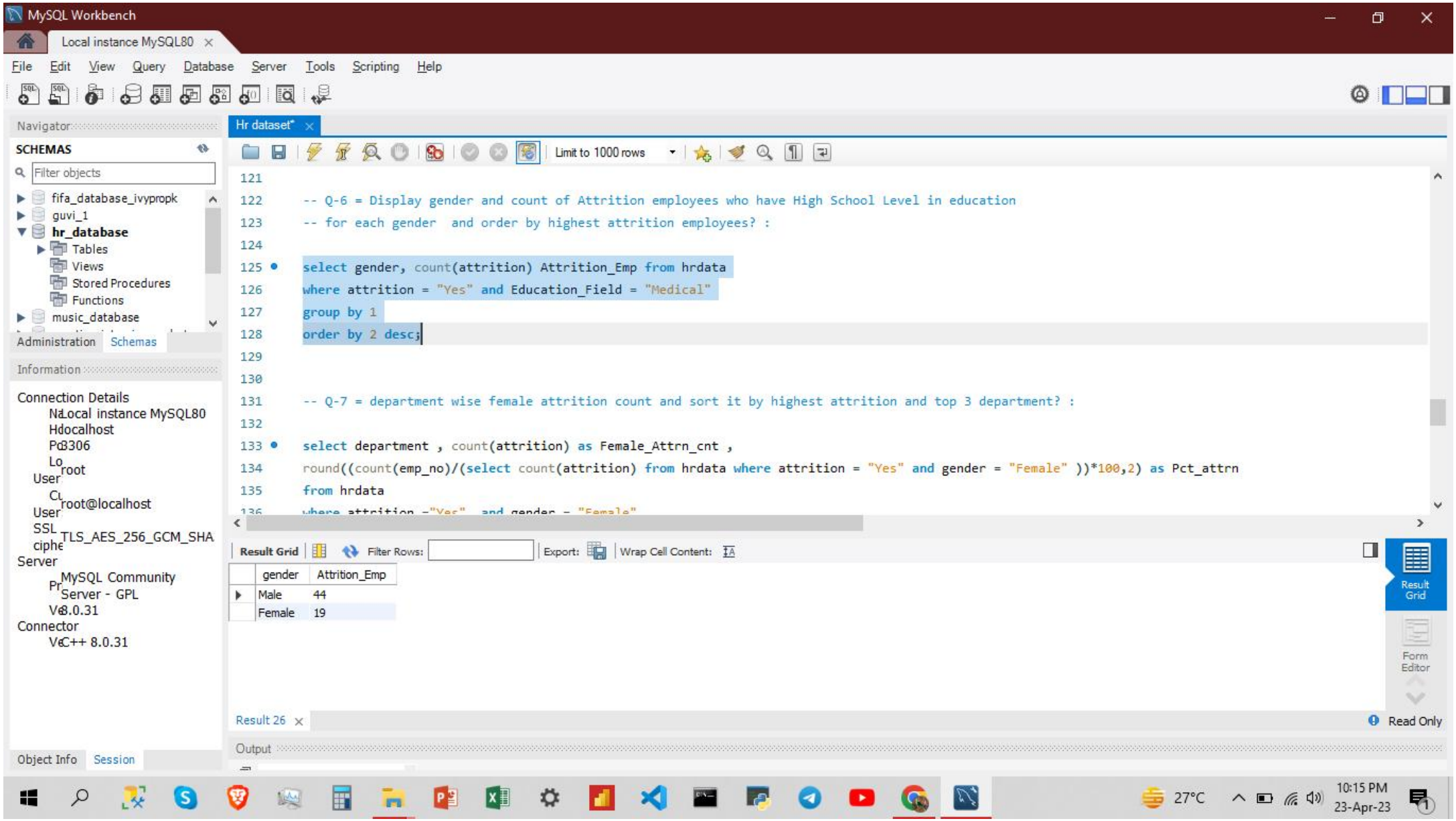

MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
fifa_database_ivypropk
guvi_1
hr_database
Tables
Views
Stored Procedures
Functions
music_database
Administration Schemas
Information
Connection Details
Local instance MySQL80
localhost
3306
root
root@localhost
TLS_AES_256_GCM_SHA
MySQL Community Server - GPL
8.0.31
C++ 8.0.31
Object Info Session
Hr dataset*
Limit to 1000 rows
79
80
81 -- Q-1 = what is Employee Count Based on education (High School and Master's) :
82 select sum(employee_count) as Emp_count from hrdata
83 where education in ('High School','Master''s Degree');
84
85
86
87 -- Q-2 = what is Total Attrition Employee Count :
88 select count(employee_count) as Attrition_Emp_count
89 from hrdata
90 where attrition ='Yes';
91
92
93 -- Q-3 = Attrition Rate and department should be Sales :
Result Grid Filter Rows: Export: Wrap Cell Content:
Emp_count
568
Result Grid
Form Editor
Result 20
Read Only
Output
27°C
10:13 PM
23-Apr-23

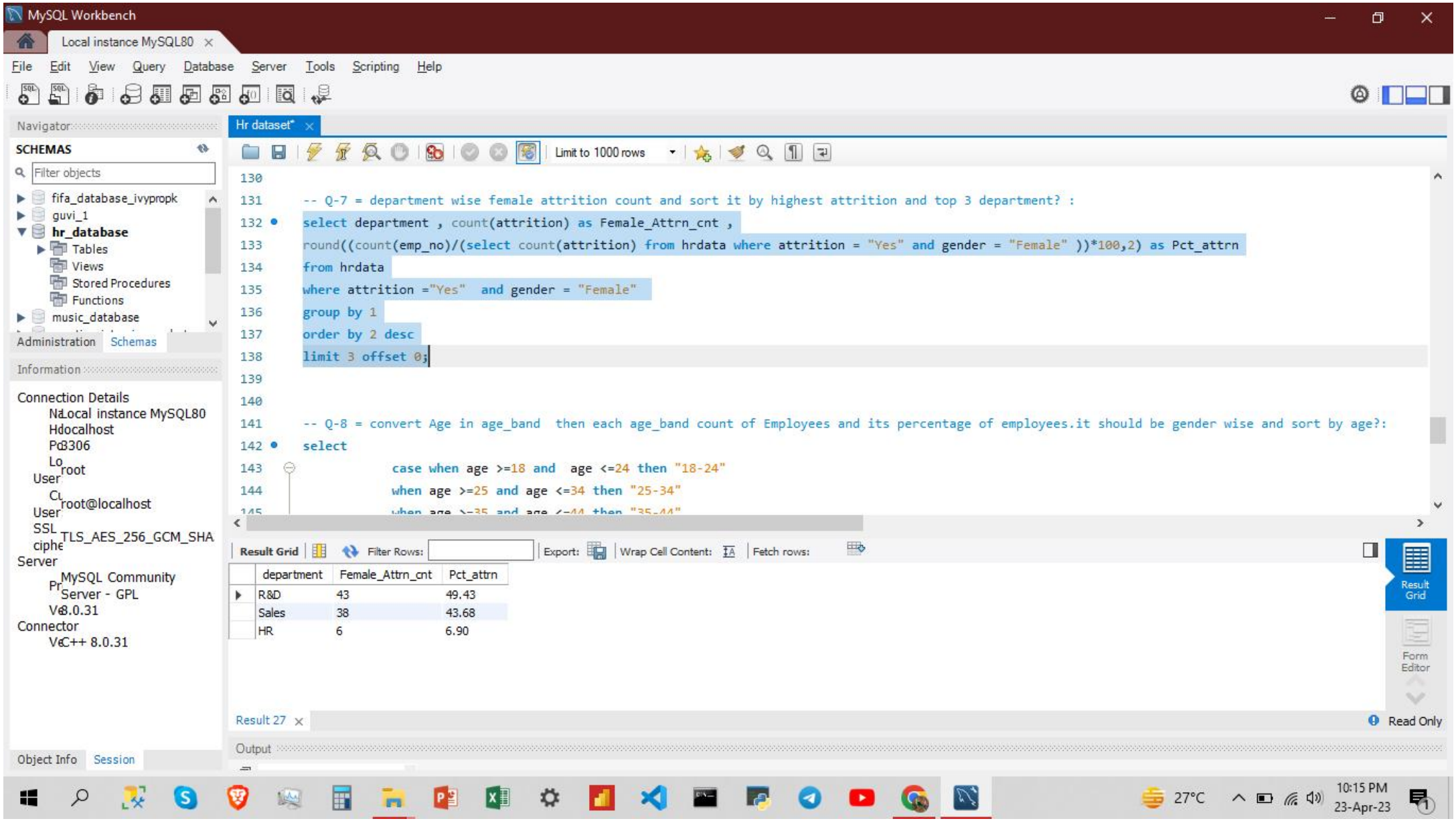

MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
fifa_database_ivypropk
guvi_1
hr_database
Tables
Views
Stored Procedures
Functions
music_database
Administration Schemas
Information
Connection Details
Local instance MySQL80
localhost
3306
root
root@localhost
TLS_AES_256_GCM_SHA
MySQL Community Server - GPL
8.0.31
C++ 8.0.31
Object Info Session
Hr dataset*
Limit to 1000 rows
85
86
87 -- Q-2 = what is Total Attrition Employee Count :
88 select count(employee_count) as Attrition_Emp_count
89 from hrdata
90 where attrition ='Yes';
91
92
93 -- Q-3 = Attrition Rate and department should be Sales :
94 select * from hrdata;
95
96 select distinct round((select sum(employee_count) from hrdata where attrition = "Yes" and department = "Sales") /
97 (select count(emp_no) from hrdata where department = "Sales") *100,2) as Attrition_rate
98 from hrdata
99 where department = "Sales";
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
Attrition_Emp_count
237
Result Grid
Form Editor
Result 22
Read Only
Output
27°C
10:13 PM
23-Apr-23

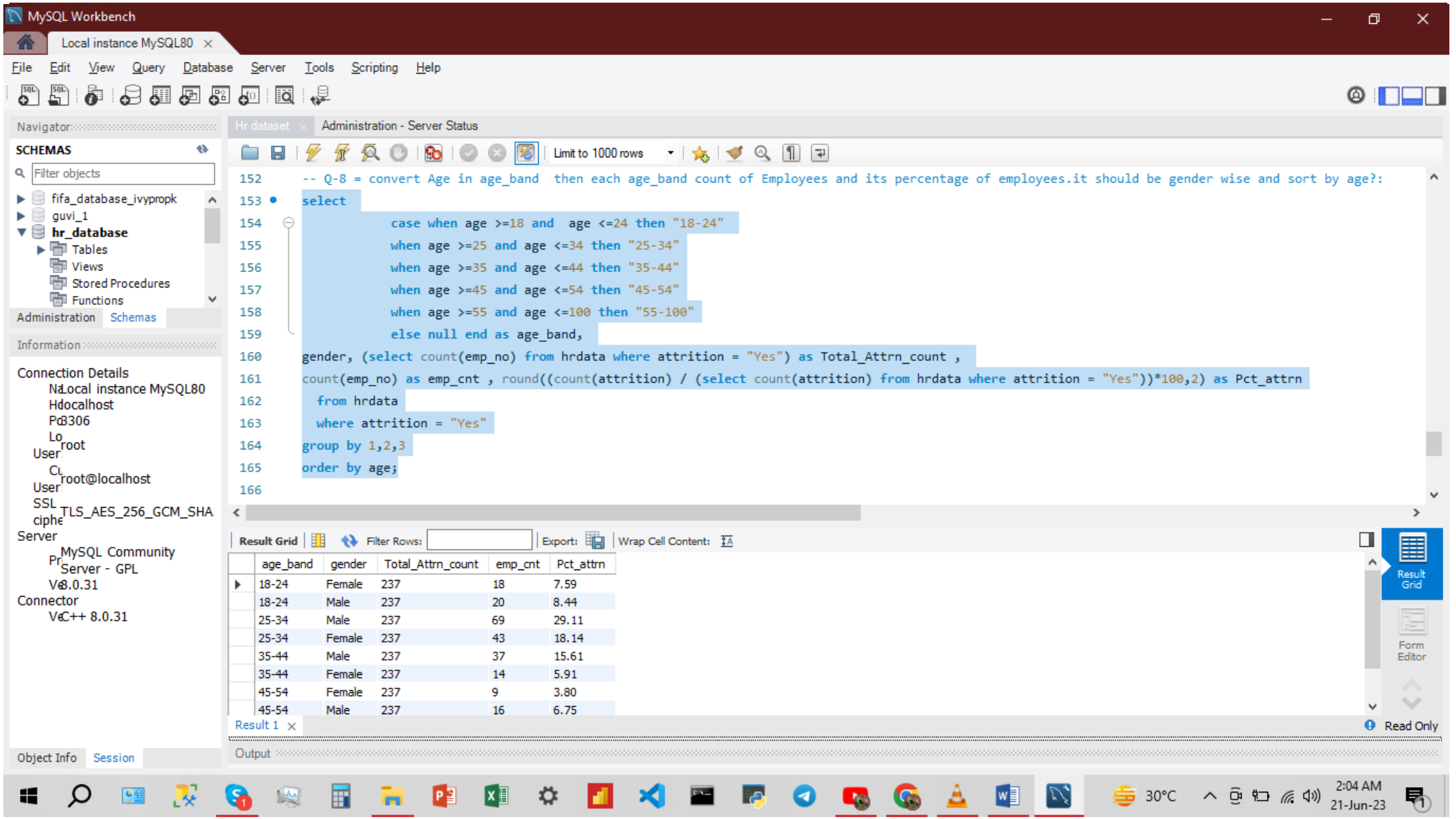

MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
fifa_database_ivypropk
guvi_1
hr_database
Tables
Views
Stored Procedures
Functions
music_database
Administration Schemas
Information
Connection Details
Local instance MySQL80
localhost
3306
root
root@localhost
TLS_AES_256_GCM_SHA
MySQL Community Server - GPL
8.0.31
C++ 8.0.31
Object Info Session
Hr dataset*
Limit to 1000 rows
91
92
93 -- Q-3 = Attrition Rate and department should be Sales :
94 select distinct round((select sum(employee_count) from hrdata where attrition = "Yes" and department = "Sales") /
95 (select count(emp_no) from hrdata where department = "Sales") *100,2) as Attrition_rate
96 from hrdata
97 where department = "Sales";
98
99
100
101 /* This below query is for ms sql server:-
102 select round(((select count(attrition) from hrdata where attrition = 1 and department = 'Sales') /
103 cast(sum(employee_count) as float))*100,2) as Attrition_rate
104 from hrdata
105 where department = 'Sales';
106 */
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
Attrition_Emp_count
237
Result Grid
Form Editor
Result 22
Read Only
Output
27°C
10:14 PM
23-Apr-23

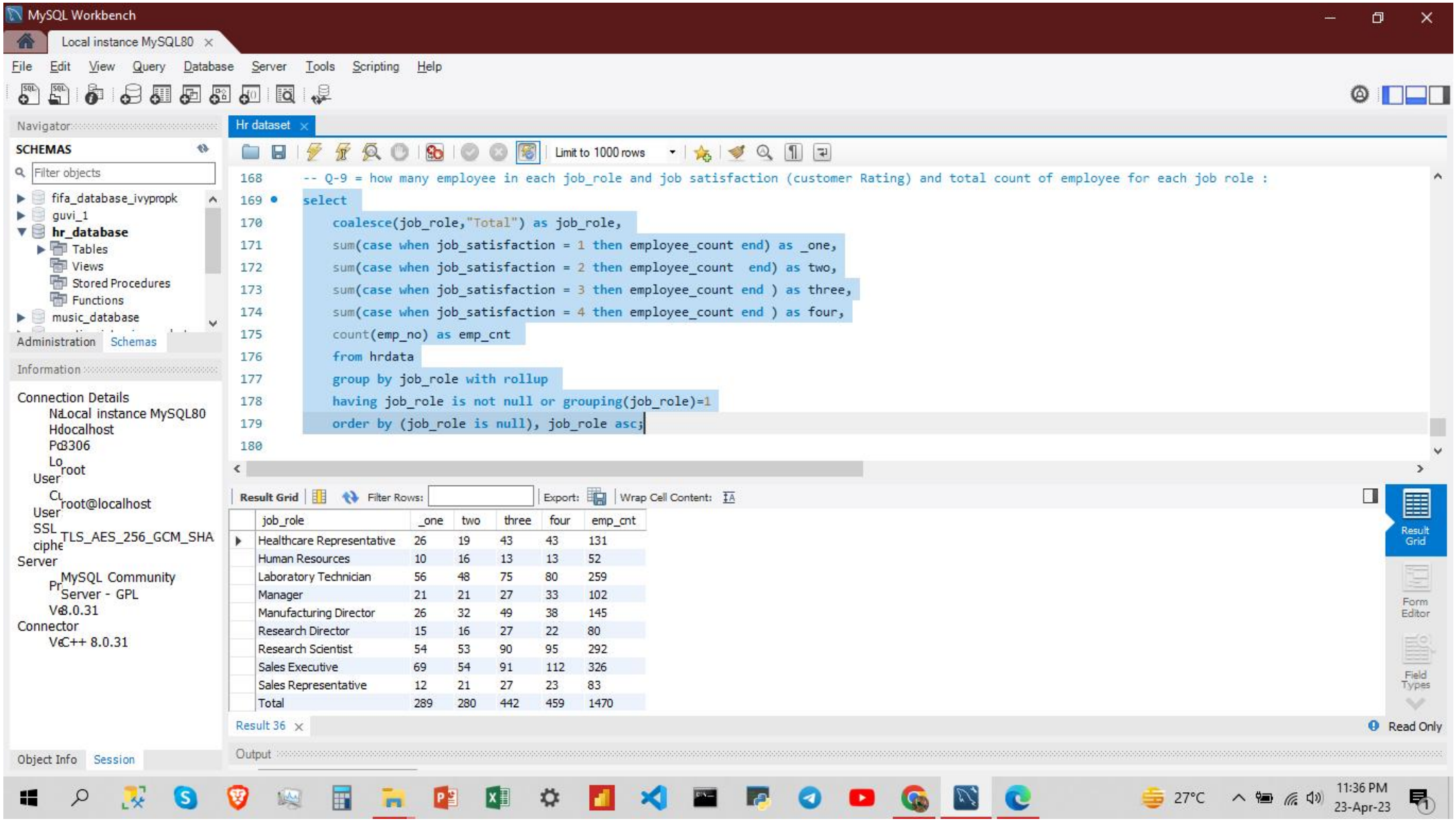

MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
fifa_database_ivypropk
guvi_1
hr_database
Tables
Views
Stored Procedures
Functions
music_database
Administration Schemas
Information
Connection Details
Local instance MySQL80
localhost
3306
root
root@localhost
TLS_AES_256_GCM_SHA
MySQL Community Server - GPL
8.0.31
C++ 8.0.31
Object Info Session
Hr dataset*
Limit to 1000 rows
106 */
107
108 -- Q-4 = Active Employee and count of male employees:
109
110 select count(employee_count) - (select count(attrition) from hrdata where attrition ='Yes' and gender = "Male") as Active_Employee
111 from hrdata where gender = "Male";
112
113 -- 2nd way
114 -- select count(active_employee) from hrdata
115 -- where attrition = "No";
116
117 -- Q-5 = what is the Average Age of Employees from total Ages? :
118
119 select round(avg(age)) from hrdata ;
120
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
Active_Employee
732
Result Grid
Form Editor
Result 23
Read Only
Output
27°C
10:14 PM
23-Apr-23


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
fifa_database_ivypropk
guvi_1
hr_database
Tables
Views
Stored Procedures
Functions
music_database
Administration Schemas
Information
Connection Details
Local instance MySQL80
localhost
3306
root
root@localhost
TLS_AES_256_GCM_SHA
MySQL Community Server - GPL
8.0.31
C++ 8.0.31
Object Info Session
Hr dataset*
Limit to 1000 rows
-- where attrition = "No";
-- Q-5 = what is the Average Age of Employees from total Ages? :
select round(avg(age)) from hrdata ;
-- Q-6 = Display gender and count of Attrition employees who have High School Level in education
-- for each gender and order by highest attrition employees? :
select gender, count(attrition) Attrition_Emp from hrdata
where attrition = "Yes" and Education_Field = "Medical"
group by 1
order by 2 desc;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
round(avg(age))
37
Result Grid
Form Editor
Result 24
Read Only
Output
27°C
10:14 PM
23-Apr-23


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
fifa_database_ivypropk
guvi_1
hr_database
Tables
Views
Stored Procedures
Functions
music_database
Administration Schemas
Information
Connection Details
Local instance MySQL80
localhost
3306
root
root@localhost
TLS_AES_256_GCM_SHA
MySQL Community Server - GPL
8.0.31
C++ 8.0.31
Object Info Session
Hr dataset*
Limit to 1000 rows
121
122 -- Q-6 = Display gender and count of Attrition employees who have High School Level in education
123 -- for each gender and order by highest attrition employees? :
124
125 select gender, count(attrition) Attrition_Emp from hrdata
126 where attrition = "Yes" and Education_Field = "Medical"
127 group by 1
128 order by 2 desc;
129
130
131 -- Q-7 = department wise female attrition count and sort it by highest attrition and top 3 department? :
132
133 select department , count(attrition) as Female_Attrn_cnt ,
134 round((count(emp_no)/(select count(attrition) from hrdata where attrition = "Yes" and gender = "Female"))*100,2) as Pct_attrn
135 from hrdata
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
gender Attrition_Emp
Male 44
Female 19
Result Grid
Form Editor
Result 26
Read Only
Output
27°C
10:15 PM
23-Apr-23


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
fifa_database_ivypropk
guvi_1
hr_database
Tables
Views
Stored Procedures
Functions
music_database
Administration Schemas
Information
Connection Details
Local instance MySQL80
localhost
3306
root
root@localhost
TLS_AES_256_GCM_SHA
MySQL Community Server - GPL
8.0.31
C++ 8.0.31
Object Info Session
Hr dataset*
Limit to 1000 rows
130
131 -- Q-7 = department wise female attrition count and sort it by highest attrition and top 3 department? :
132 select department , count(attrition) as Female_Attrn_cnt ,
133 round((count(emp_no)/(select count(attrition) from hrdata where attrition = "Yes" and gender = "Female"))*100,2) as Pct_attrn
134 from hrdata
135 where attrition ="Yes" and gender = "Female"
136 group by 1
137 order by 2 desc
138 limit 3 offset 0;
139
140
141 -- Q-8 = convert Age in age_band then each age_band count of Employees and its percentage of employees.it should be gender wise and sort by age?:
142 select
143 case when age >=18 and age <=24 then "18-24"
144 when age >=25 and age <=34 then "25-34"
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
Fetch rows:
department Female_Attrn_cnt Pct_attrn
R&D 43 49.43
Sales 38 43.68
HR 6 6.90
Result Grid
Form Editor
Result 27
Read Only
Output
27°C
10:15 PM
23-Apr-23


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
fifa_database_ivypropk
guvi_1
hr_database
Tables
Views
Stored Procedures
Functions
Administration Schemas
Information
Connection Details
Local instance MySQL80
localhost
3306
root
root@localhost
TLS_AES_256_GCM_SHA
Server
MySQL Community Server - GPL
8.0.31
Connector
C++ 8.0.31
Object Info Session
Hr dataset
Administration - Server Status
Limit to 1000 rows
-- Q-8 = convert Age in age_band then each age_band count of Employees and its percentage of employees.it should be gender wise and sort by age?:
select
case when age >=18 and age <=24 then "18-24"
when age >=25 and age <=34 then "25-34"
when age >=35 and age <=44 then "35-44"
when age >=45 and age <=54 then "45-54"
when age >=55 and age <=100 then "55-100"
else null end as age_band,
gender, (select count(emp_no) from hrdata where attrition = "Yes") as Total_Attrn_count ,
count(emp_no) as emp_cnt , round((count(attrition) / (select count(attrition) from hrdata where attrition = "Yes"))*100,2) as Pct_attrn
from hrdata
where attrition = "Yes"
group by 1,2,3
order by age;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
age_band gender Total_Attrn_count emp_cnt Pct_attrn
18-24 Female 237 18 7.59
18-24 Male 237 20 8.44
25-34 Male 237 69 29.11
25-34 Female 237 43 18.14
35-44 Male 237 37 15.61
35-44 Female 237 14 5.91
45-54 Female 237 9 3.80
45-54 Male 237 16 6.75
Result 1
Read Only
Output
Result Grid
Form Editor
30°C
2:04 AM
21-Jun-23


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
fifa_database_ivypropk
guvi_1
hr_database
Tables
Views
Stored Procedures
Functions
music_database
Administration Schemas
Information
Connection Details
Local instance MySQL80
localhost
3306
root
root@localhost
TLS_AES_256_GCM_SHA
MySQL Community Server - GPL
8.0.31
C++ 8.0.31
Object Info Session
Hr dataset
Limit to 1000 rows
168 -- Q-9 = how many employee in each job_role and job satisfaction (customer Rating) and total count of employee for each job role :
169 select
170 coalesce(job_role,"Total") as job_role,
171 sum(case when job_satisfaction = 1 then employee_count end) as _one,
172 sum(case when job_satisfaction = 2 then employee_count end) as two,
173 sum(case when job_satisfaction = 3 then employee_count end) as three,
174 sum(case when job_satisfaction = 4 then employee_count end) as four,
175 count(emp_no) as emp_cnt
176 from hrdata
177 group by job_role with rollup
178 having job_role is not null or grouping(job_role)=1
179 order by (job_role is null), job_role asc;
180
Result Grid Filter Rows: Export: Wrap Cell Content:
job_role _one two three four emp_cnt
Healthcare Representative 26 19 43 43 131
Human Resources 10 16 13 13 52
Laboratory Technician 56 48 75 80 259
Manager 21 21 27 33 102
Manufacturing Director 26 32 49 38 145
Research Director 15 16 27 22 80
Research Scientist 54 53 90 95 292
Sales Executive 69 54 91 112 326
Sales Representative 12 21 27 23 83
Total 289 280 442 459 1470
Result Grid
Form Editor
Field Types
Result 36
Read Only
Output
27°C
11:36 PM
23-Apr-23