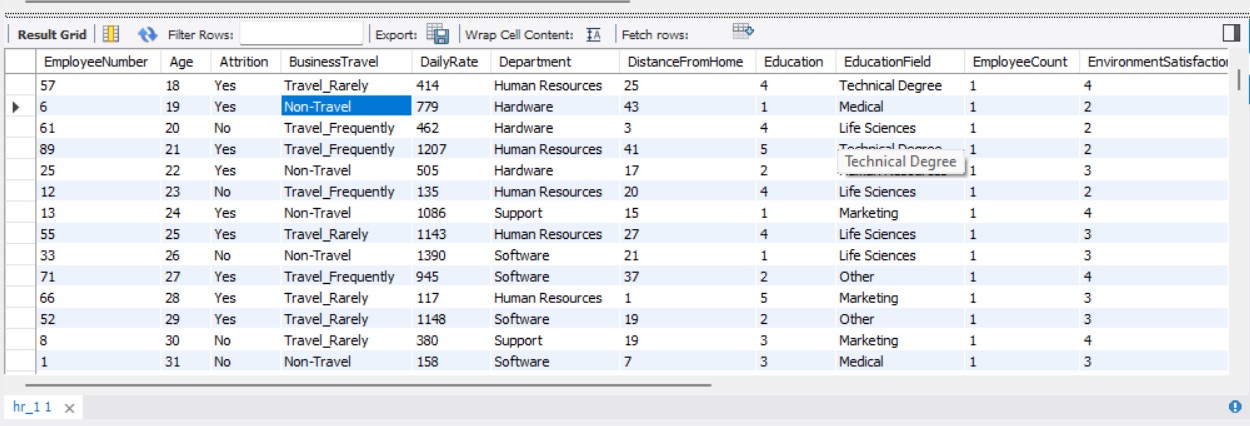
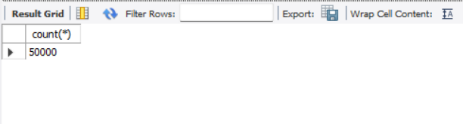
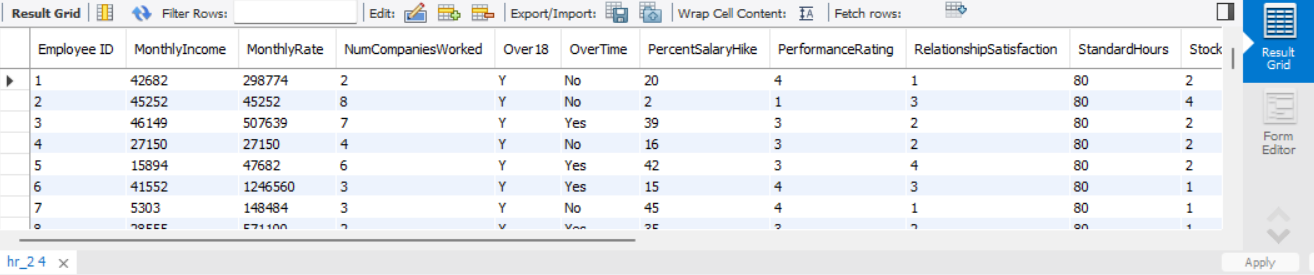
SELECT \* FROM HR\_1;



SELECT COUNT(\*) FROM HR\_1;



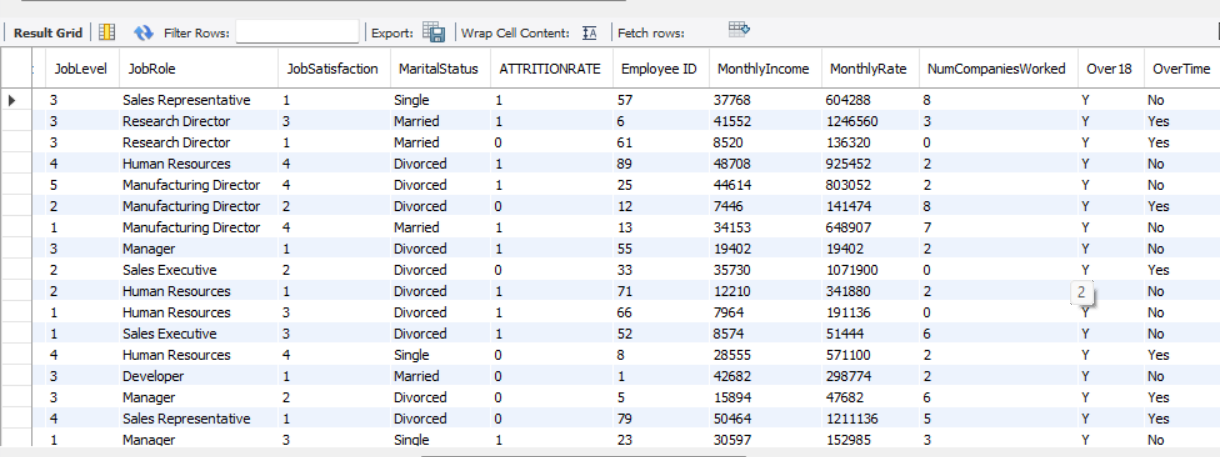
SELECT \* FROM HR\_2;



**-- JOINT 2 TABLES**

SELECT \* FROM HR\_1

JOIN HR\_2 ON HR\_1.EMPLOYEENUMBER = HR\_2.`EMPLOYEE ID`;



SELECT COUNT(\*) FROM HR\_2;



**-- TOTAL EMPCOUNT**

select count(EmployeeCount) from hr\_1;

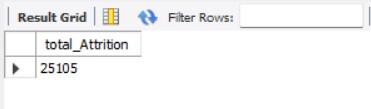


**-- TOTAL ATTRITION**

select count(\*) as total\_Attrition

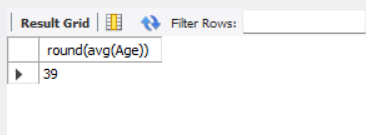
from hr\_1

where ATTRITIONRATE = "1";



**-- AVERAGE AGE**

select round(avg(Age)) from hr\_1;

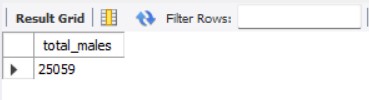


**-- TOTAL NO OF MALES**

select count(\*) as total\_males

from hr\_1

where gender = "Male";

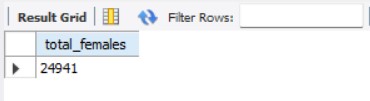


**-- TOTAL NO OF FEMALES**

select count(\*) as total\_females

from hr\_1

where gender= "Female";

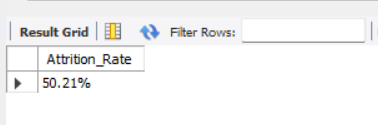


**-- ATTRITION RATE**

select

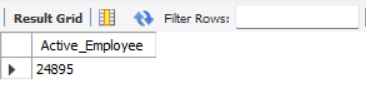
concat(round(sum(attritionrate) / sum(employeecount)\* 100,2),'%') as Attrition\_Rate

from hr\_1;;



**-- ACTIVE EMPLOYEE**

select sum(employeecount) - sum(AttritionRate) as Active\_Employee from hr\_1;



**-- JOB LEVEL STATUS**

select JobLevel, case

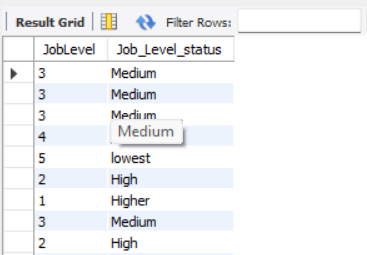
when joblevel = "1" then "Higher"

when joblevel = "2" then "High"

when joblevel = "3" then "Medium"

when joblevel = "4" then "low"

else "lowest" end as Job\_Level\_status from hr\_1;



**-- JOB LEVEL STATUS COUNT**

SELECT

Job\_Level\_status, COUNT(\*) AS LevelCount

FROM (SELECT JobLevel, **CASE**

WHEN JobLevel = '1' THEN 'Higher'

WHEN JobLevel = '2' THEN 'High'

WHEN JobLevel = '3' THEN 'Medium'

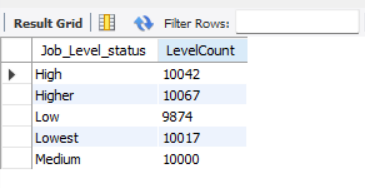
WHEN JobLevel = '4' THEN 'Low'

ELSE 'Lowest'

END AS Job\_Level\_status FROM hr\_1 ) AS Subquery

GROUP BY Job\_Level\_status

order by Job\_Level\_status asc;



**-- ATTRITION COUNT BY JOBE ROLE**

select JobRole,

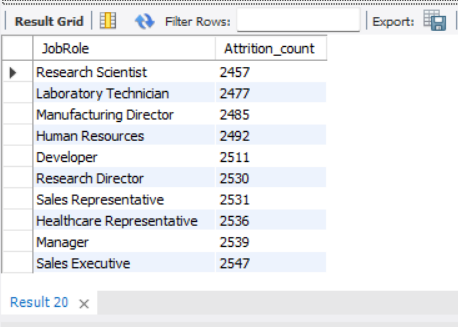
count(\*) as Attrition\_count

from hr\_1

where ATTRITIONRATE ="1"

group by JobRole

order by Attrition\_count asc;



**-- BUSSINESS TRAVEL BY EMPLOYEE COUNT**

select BusinessTravel,

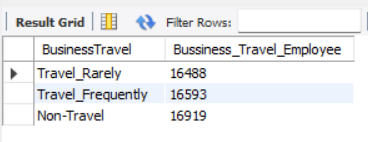
count(\*) as Bussiness\_Travel\_Employee

from hr\_1

where EmployeeCount=1

group by BusinessTravel

order by Bussiness\_Travel\_Employee asc;



**-- ATTRITION BY GENDER**

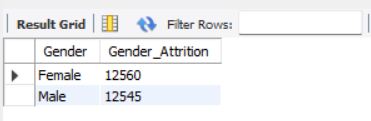
select Gender,

count(\*) as Gender\_Attrition

from hr\_1

where ATTRITIONRATE = "1"

group by Gender;



**-- EDUCATION FIELD WISE ATTRITION**

select EducationField,

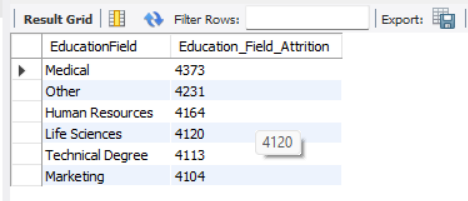
count(\*) as Education\_Field\_Attrition

from hr\_1

where ATTRITIONRATE = "1"

group by EducationField

order by Education\_Field\_Attrition desc;



**-- EMP\_ID WISE JOB SATICFACTION**

select h.`Employee ID`,

max(

case

when js.JobSatisfaction <=2 then "High"

when js.JobSatisfaction =3 then "Medium"

else "Low"

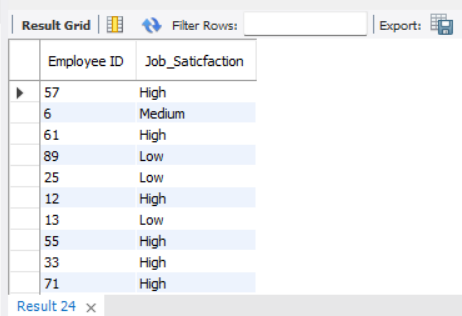
end) as Job\_Saticfaction

from hr\_1 as js

inner join hr\_2 as h

on h.`Employee ID` = js.EmployeeNumber

group by h.`Employee ID`;



**-- ONDUTY VS DUETORETIERED**

select YearsAtCompany, case

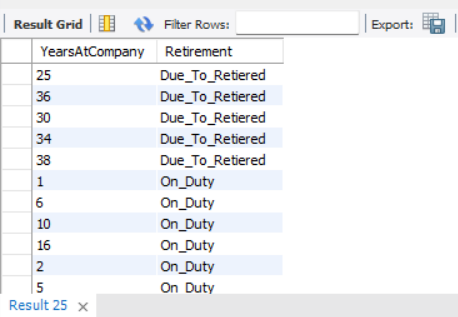
when YearsAtCompany >= "22" then "Due\_To\_Retiered"

else "On\_Duty"

end as Retirement from hr\_2

group by YearsAtCompany

Order by Retirement;



**-- EMPLOYEES WISE PERFORMANCE RATING**

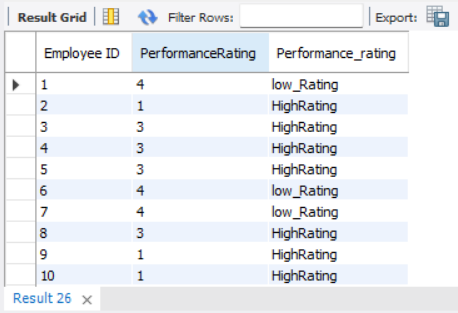
select `Employee ID`, PerformanceRating, case

when PerformanceRating <= "3" then "HighRating"

else "low\_Rating"

end As Performance\_rating from hr\_2

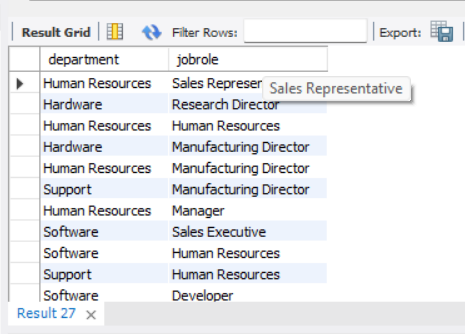
order by `Employee ID`;



**-- UNIQUE DEPT WISE JOB ROLE**

select distinct(department), jobrole from hr\_1

inner join hr\_2 on hr\_1.EmployeeNumber = hr\_2.`Employee ID`;



**-- DEPARTMENT WISE ATTIRITION**

SELECT

Department,

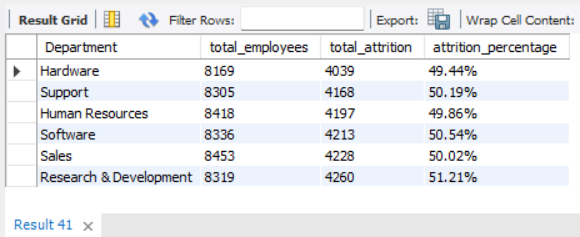
COUNT(\*) AS total\_employees,

SUM( ATTRITIONRATE = '1') AS total\_attrition,

concat(ROUND(SUM(ATTRITIONRATE = '1') / COUNT(\*) \* 100.0 , 2),'%') AS attrition\_percentage

FROM hr\_1

GROUP BY Department

order by total\_attrition asc; 

-- COUNT OF DEPARTMENT BY GENDER

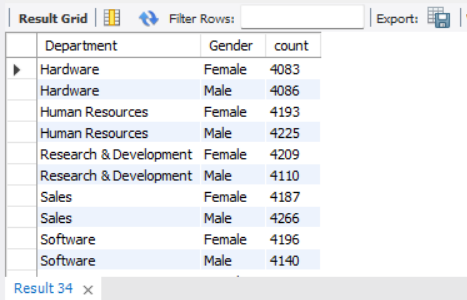
select Department,Gender,

count(\*) as count

from hr\_1

group by Department,Gender

order by Department asc;



**-- JOB ROLE VS WORKLIFE BALANCE**

SELECT

hr\_1.JobRole,

round(AVG(hr\_2.WorkLifeBalance),2) AS AverageWorkLifeBalance

FROM

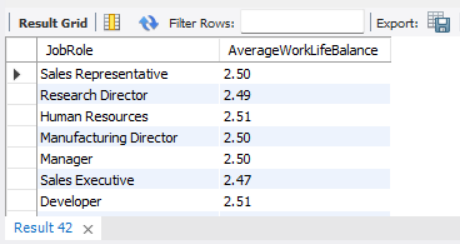
hr\_1

JOIN

hr\_2 ON hr\_1.EmployeeNumber = hr\_2.`Employee ID`

GROUP BY

hr\_1.JobRole;



**-- COUNT OF DEPARTMENT BY GENDER**

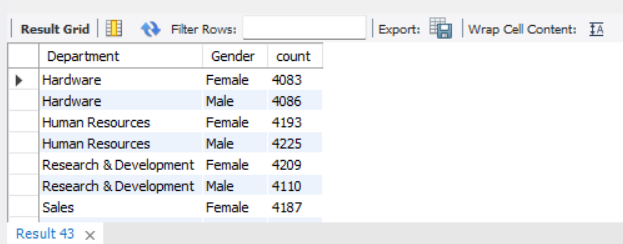
select Department,Gender,

count(\*) as count

from hr\_1

group by Department,Gender

order by Department asc;



**-- AVERAGE WORKING YEARS FOR EACH DEPARTMENT**

select hr\_1.Department,

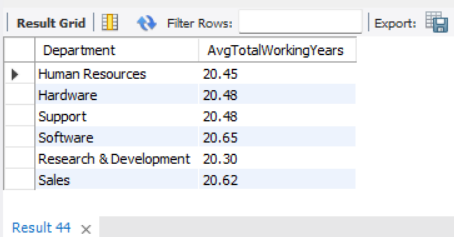
round(avg(hr\_2.Totalworkingyears),2) as AvgTotalWorkingYears

from hr\_1

join

hr\_2 on hr\_1.EmployeeNumber = hr\_2.`Employee ID`

group by Department;



**-- ATTRITION RATE VS MONTHLY INCOME STATS**

select Department,

sum(hr\_1.ATTRITIONRATE = '1') as AttritionRate,

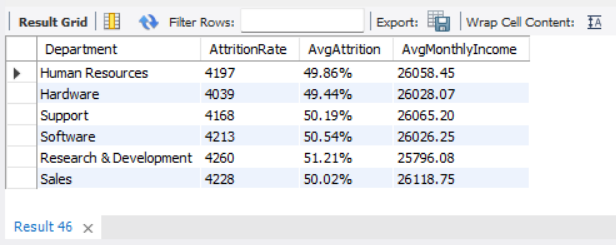
concat(ROUND(SUM(ATTRITIONRATE = '1') / COUNT(\*) \* 100.0 , 2),'%') AS AvgAttrition,

round(avg(hr\_2.MonthlyIncome),2) as AvgMonthlyIncome

from hr\_1

join hr\_2 on hr\_1.EmployeeNumber = hr\_2.`Employee ID`

group by Department;



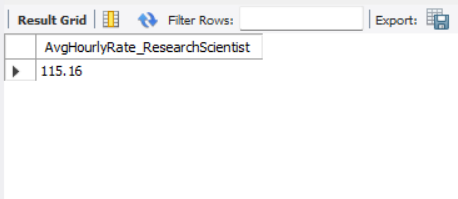
**-- AVERAGE MALE RESEARCH SCIENTIST**

select

round(avg(HourlyRate),2) as AvgHourlyRate\_ResearchScientist

from hr\_1

where JobRole = 'Research Scientist';



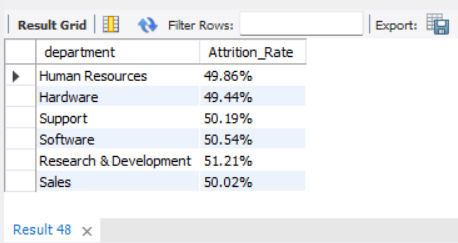
**-- Average Attrition rate for all Department**

select department,

concat(round(sum(attritionrate) / sum(employeecount)\* 100,2),'%') as Attrition\_Rate

from hr\_1

group by Department;



**-- ATTRITION RATE VS YEAR SINCE LAST PROMOTION RELATION**

select department,

round(avg(hr\_2.YearsSinceLastPromotion),2) as YearsSinceLastPromotion,

concat(ROUND(SUM(ATTRITIONRATE = '1') / COUNT(\*) \* 100.0 , 2),'%') AS AvgAttrition

from hr\_1

join hr\_2 on hr\_1.EmployeeNumber = hr\_2.`Employee ID`

group by Department;

