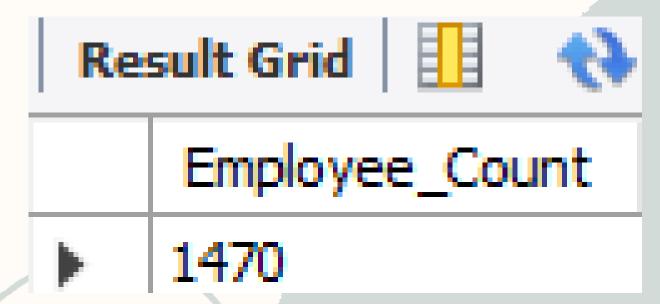
SQL PROJECT ON HR EMPLOYEE ATTRITION

HELLO!

MY NAME IS GAURAV SHARMA AND IN THIS PROJECT I HAVE UTILIZED SQL QUERIES TO SOLVE QUESTION THAT WERE RELATED TO EMPLOYEE ATTRITION

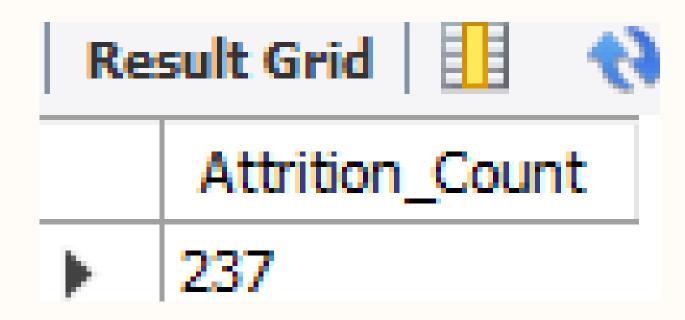
EMPLOYEE COUNT

SELECT
SUM(employee_count) AS Employee_Count
FROM
hrdata;

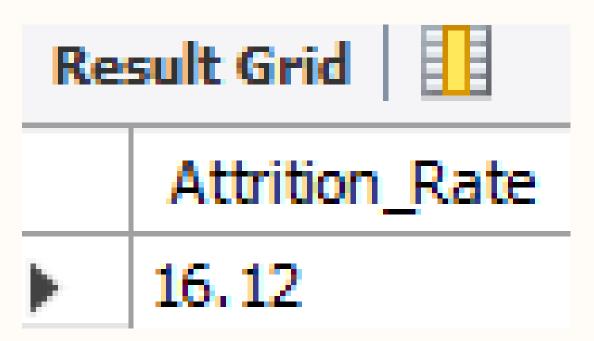


ATTRITION COUNT

SELECT
COUNT(attrition) AS Attrition_Count
FROM hrdata
WHERE attrition = 'Yes';

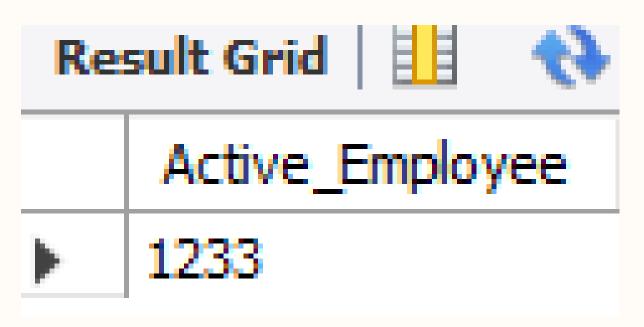


ATTRITION RATE



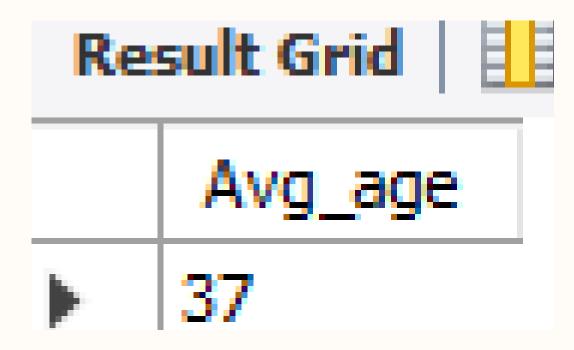
ACTIVE EMPLOYEES

SELECT
SUM(employee_count) - (SELECT COUNT(attrition)
FROM hrdata
WHERE attrition = 'Yes') AS Active_Employee
FROM hrdata;



AVERAGE AGE OF EMPLOYEES

SELECT ROUND(AVG(age), 0) AS Avg_age FROM hrdata;



ATTRITION BY GENDER

SELECT
gender, COUNT(attrition) AS attrition_count
FROM hrdata
WHERE attrition = 'Yes'
GROUP BY gender
ORDER BY COUNT(attrition) DESC;

Re	sult Grid	1	Filter F
	gender	attritio	n_count
)	Male	150	
	Female	87	

DEPARTMENT WISE ATTRITION

SELECT

department, COUNT(attrition),

ROUND(COUNT(attrition) / (SELECT COUNT(attrition) FROM hrdata

WHERE attrition = 'Yes') * 100, 2) AS pct

FROM hrdata

WHERE attrition = 'Yes'

GROUP BY department

ORDER BY COUNT(attrition) DESC;

Re	sult Grid	Filter Rows:	
	department	count(attrition)	pct
)	R&D	133	56.12
	Sales	92	38.82
	HR	12	5.06

NO. OF EMPLOYEE BY AGE GROUP

SELECT
age, SUM(employee_count) AS employee_count
FROM hrdata
GROUP BY age ORDER BY age;

Result Grid				
	age	employee_count		
	18	8		
	19	9		
•	20	11		
	21	13		
	22	16		

EDUCATION FIELD WISE ATTRITION

Result Grid			
	education_field	attrition_count	
	Life Sciences	89	
	Medical	63	
	Marketing	35	
	Technical Degree	32	
	Other	11	

Attrition Rate by Gender for different Age Group

select age_band, gender,
count(attrition) as attrition,
round((count(attrition) / (select count(attrition) from hrdata where
attrition = 'Yes'))*100,2) as pct from hrdatawhere attrition = 'Yes'
group by age_band, gender
order by age_band, gender desc;

Result Grid				
	age_band	gender	attrition	pct
	25 - 34	Male	69	29.11
	25 - 34	Female	43	18.14
	35 - 44	Male	37	15.61
	35 - 44	Female	14	5.91
	45 - 54	Male	16	6.75

Thank you!