
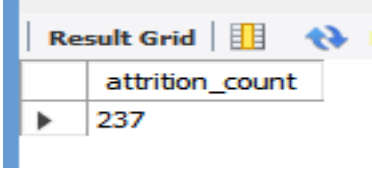
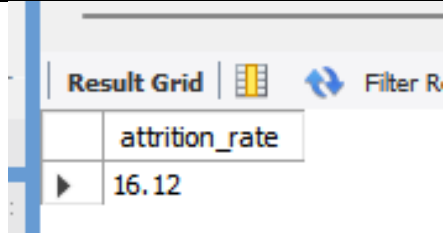
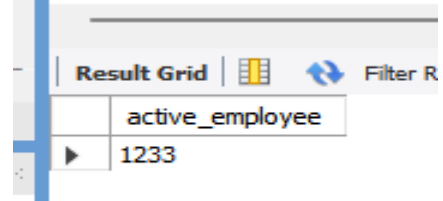
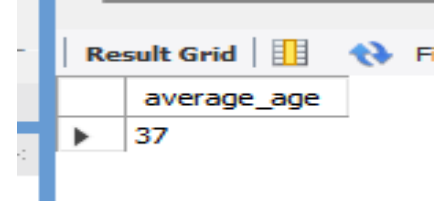
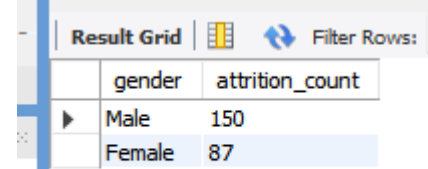
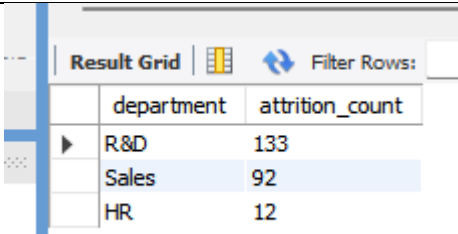
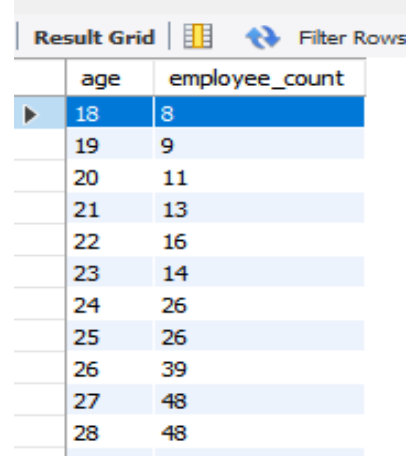
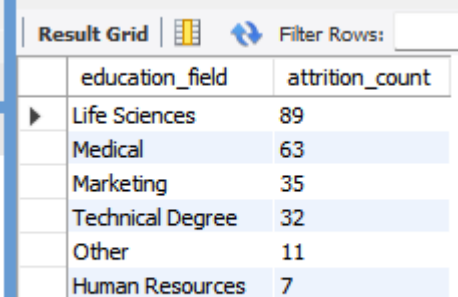


# Test Document/ Data Validation

## HR Analytics Report

Index	KPIs Name	SQL Queries	Queries Result (Screenshot)	Test Result
1	Total Employees	<b>select sum(employee_count) as Employee_Count from hr_data;</b>		Pass
2	Attrition Count	<b>select count(attrition) as attrition_count from hr_data where attrition='Yes';</b>		Pass
3	Attrition Rate	<b>select round (((select count(attrition) from hr_data where attrition='Yes')/ sum(employee_count)) * 100,2) as attrition_rate from hr_data;</b>		Pass
4	Active Employpess	<b>select sum(employee_count) - (select count(attrition) from hr_data where attrition='Yes') as active_employee from hr_data;</b>		Pass
5	Average Age	<b>select round(avg(age),0) as average_age from hr_data;</b>		Pass
6	Attrition By Gender	<b>select gender, count(attrition) as attrition_count from hr_data where attrition='Yes' group by gender order by count(attrition) desc;</b>		Pass
7	Attrition By Department	<b>select department, count(attrition) as attrition_count from hr_data where attrition='Yes' group by department order by count(attrition) desc;</b>		Pass
8	No. Of Employees By Age Group	<b>SELECT age, sum(employee_count) AS employee_count FROM hr_data GROUP BY age order by age;</b>		Pass
9	Attrition By Education Field	<b>select education_field, count(attrition) as attrition_count from hr_data where attrition='Yes' group by education_field order by count(attrition) desc;</b>		Pass

10	Attrition Rate by Gender for different Age Group	<pre>select `CF_age band`, gender, count(attrition) as attrition from hr_data where attrition = 'Yes' group by `CF_age band`, gender order by `CF_age band`, gender desc;</pre>	<div><div>Result Grid</div><table><tr><th></th><th>CF_age band</th><th>gender</th><th>attrition</th></tr><tr><td>▶</td><td>25 - 34</td><td>Male</td><td>69</td></tr><tr><td></td><td>25 - 34</td><td>Female</td><td>43</td></tr><tr><td></td><td>35 - 44</td><td>Male</td><td>37</td></tr><tr><td></td><td>35 - 44</td><td>Female</td><td>14</td></tr><tr><td></td><td>45 - 54</td><td>Male</td><td>16</td></tr><tr><td></td><td>45 - 54</td><td>Female</td><td>9</td></tr><tr><td></td><td>Over 55</td><td>Male</td><td>8</td></tr><tr><td></td><td>Over 55</td><td>Female</td><td>3</td></tr><tr><td></td><td>Under 25</td><td>Male</td><td>20</td></tr><tr><td></td><td>Under 25</td><td>Female</td><td>18</td></tr></table></div>		CF_age band	gender	attrition	▶	25 - 34	Male	69		25 - 34	Female	43		35 - 44	Male	37		35 - 44	Female	14		45 - 54	Male	16		45 - 54	Female	9		Over 55	Male	8		Over 55	Female	3		Under 25	Male	20		Under 25	Female	18	Pass
	CF_age band	gender	attrition																																													
▶	25 - 34	Male	69																																													
	25 - 34	Female	43																																													
	35 - 44	Male	37																																													
	35 - 44	Female	14																																													
	45 - 54	Male	16																																													
	45 - 54	Female	9																																													
	Over 55	Male	8																																													
	Over 55	Female	3																																													
	Under 25	Male	20																																													
	Under 25	Female	18																																													