TEST DOCUMENT

Report Name	HR Analytics Dashboard
Developer Name	**Bhisham Sharma**
Tester Name	**Bhisham Sharma**
Purpose	Personal Project
Development Tool	**Power BI**

Test No.	Sheet Name	Query	Test Result	QA Remark
1	KPI- Employee Count	select sum(employee_count) as Employee_Count from hrdata;	Pass	Exact match
2	KPI- Attrition Count	select count(attrition) from hrdata where attrition='Yes';	Pass	Exact match
3	KPI- Attrition Rate	select round (((select count(attrition) from hrdata where attrition='Yes')/ sum(employee_count)) * 100,2) from hrdata;	Pass	Exact match
4	KPI- Active Employee	select sum(employee_count)-(select count(attrition) from hrdata where attrition ='Yes') as	Pass	Exact match

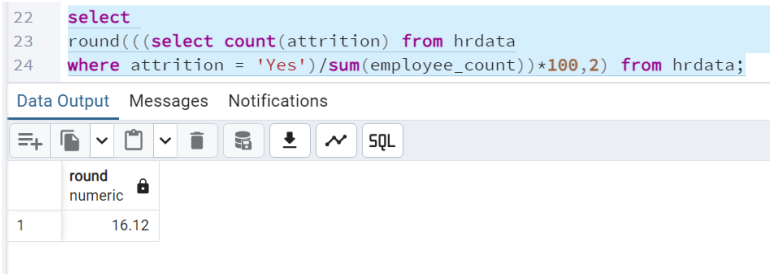
		active_employee from hrdata		
5	KPI- Average Age	select round(avg(age),0) from hrdata;	Pass	Exact match
6	Attrition by Gender	select gender, count(attrition) as attrition_count from hrdata where attrition='Yes' group by gender order by count(attrition) desc;	Pass	Exact match
7	Department wise Attrition	select department, count(attrition), round((cast (count(attrition) as numeric) / (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;	Pass	Exact match
8	No of Employee by Age Group	select age_band, gender, sum(employee_count) from hrdata group by age_band, gender order by age_band, gender desc	Pass	Exact match
9	Education Field wise Attrition	select education_field, count(attrition) as attrition_count from hrdata where attrition='Yes'	Pass	Exact match

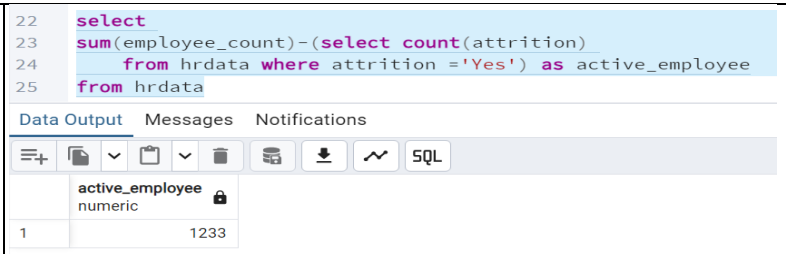
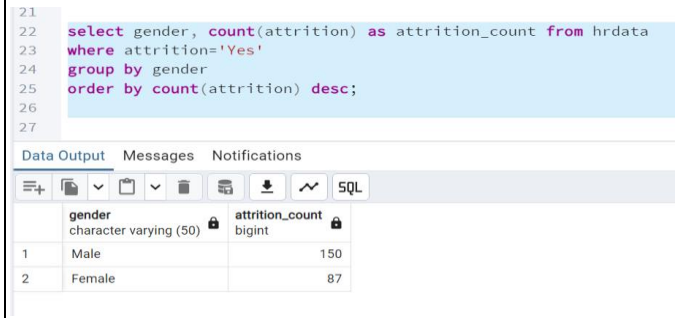
		group by education_field order by count(attrition) desc;		
10	Attrition Rate by Gender for different Age group	select gender,age_band,count(attrition)as attrition from hrdata where attrition = 'Yes' group by age_band,gender order by age_band,gender asc;	Pass	Exact match
11	Job Satisfaction Rating	SELECT * FROM crosstab('SELECT job_role, job_satisfaction, sum(employee_count) FROM hrdata GROUP BY job_role, job_satisfaction ORDER BY job_role, job_satisfaction') AS ct(job_role varchar(50), one numeric, two numeric, three numeric, four numeric) ORDER BY job_role;	Pass	Exact match

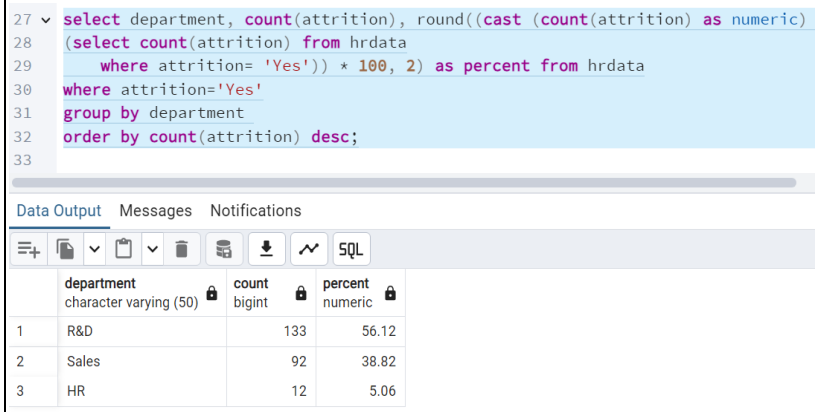
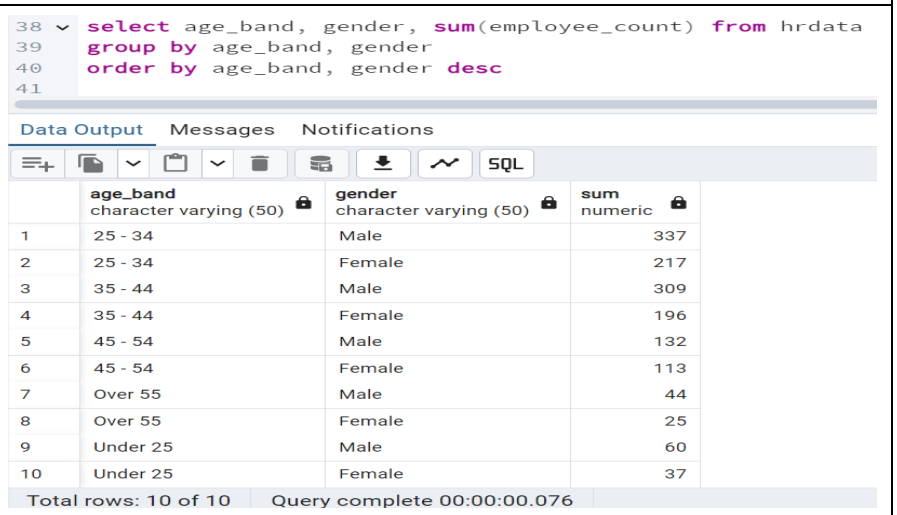
Test Result:

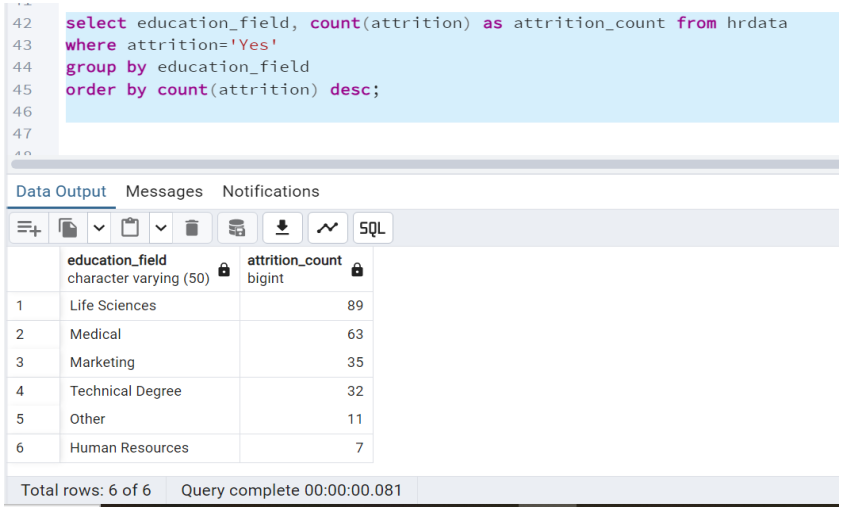
Total Tests	11
Pass	10
Fail	00
Blocked	00
Not Executed	01

Test Proof:

Test no.	Sheet Name	SQL Query	Screenshot
1.	KPI- Employee Count	select sum(employee_count) as Employee_Count from hrdata;	
2.	KPI- Attrition Count	select count(attrition) from hrdata where attrition='Yes';	
3.	KPI- Attrition Rate	select round (((select count(attrition) from hrdata where attrition='Yes')/ sum(employee_count)) * 100,2) from hrdata;	

4.	KPI- Active Employee	select sum(employee_count)-(select count(attrition) from hrdata where attrition ='Yes') as active_employee from hrdata	
5.	KPI- Average Age	select round(avg(age),2) from hrdata;	
6.	Attrition by Gender	select gender, count(attrition) as attrition_count from hrdata where attrition='Yes' group by gender order by count(attrition) desc;	

7.	Department wise Attrition	select department, count(attrition), round((cast (count(attrition) as numeric) / (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;	
8.	No of Employee by Age Group	select age_band, gender, sum(employee_count) from hrdata group by age_band, gender order by age_band, gender desc	

9.	Education Field wise Attrition	select education_field, count(attrition) as attrition_count from hrdata where attrition='Yes' group by education_field order by count(attrition) desc;	
10.	Attrition by Gender for different Age group	select gender,age_band,count(attrition)as attrition from hrdata where attrition = 'Yes' group by age_band,gender order by age_band,gender asc;