-- Check if all the data has been imported

select \* from hrdata;

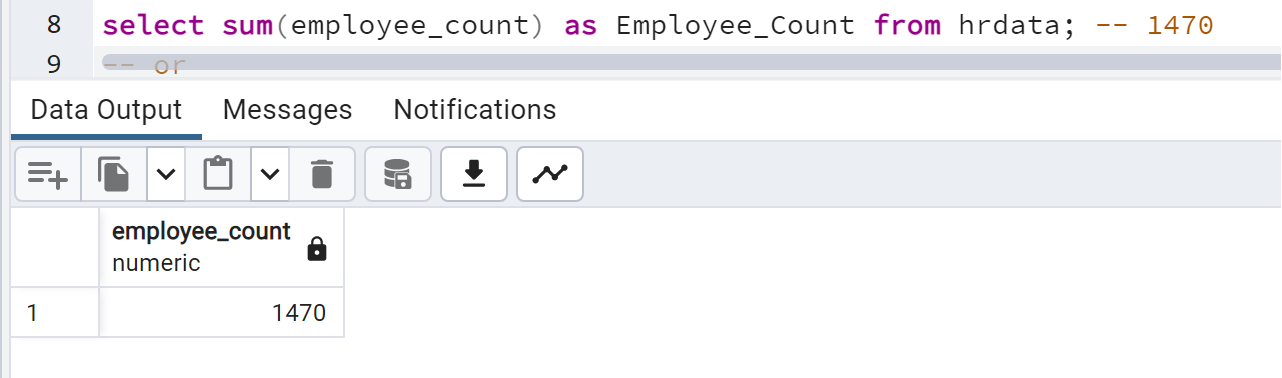
-- 1. TESTING THE KPI's IN THE DASHBOARD

-- a) TOTAL EMPLOYEE COUNT

select sum(employee\_count) as Employee\_Count from hrdata;

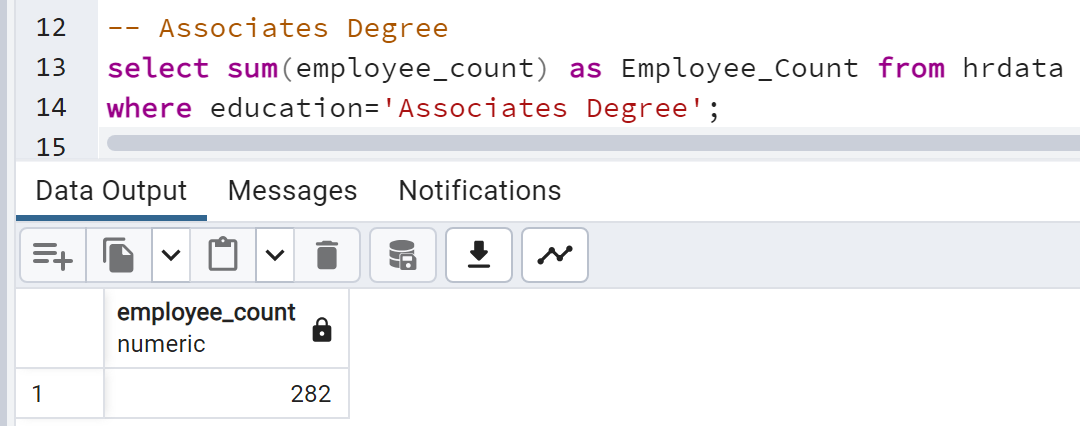
-- or

select count(emp\_no) from hrdata;



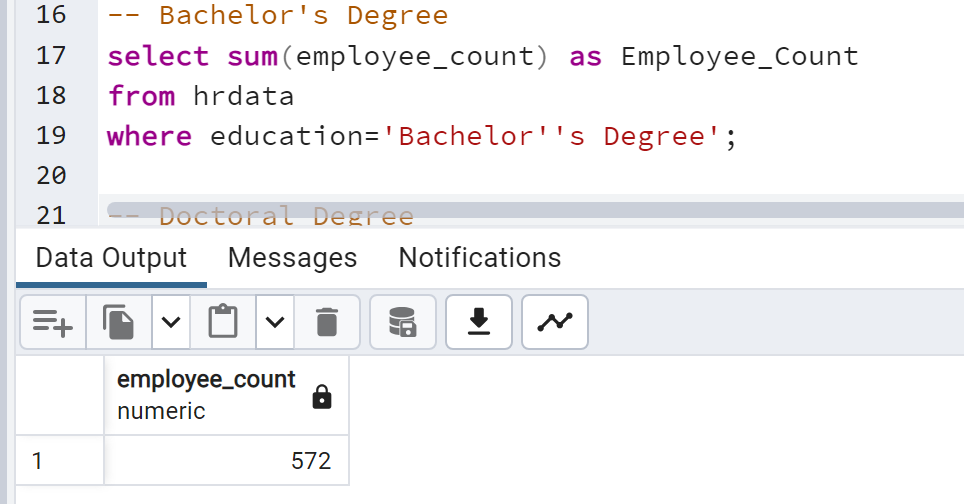
-- Associates Degree

select sum(employee\_count) as Employee\_Count from hrdata where education='Associates Degree';



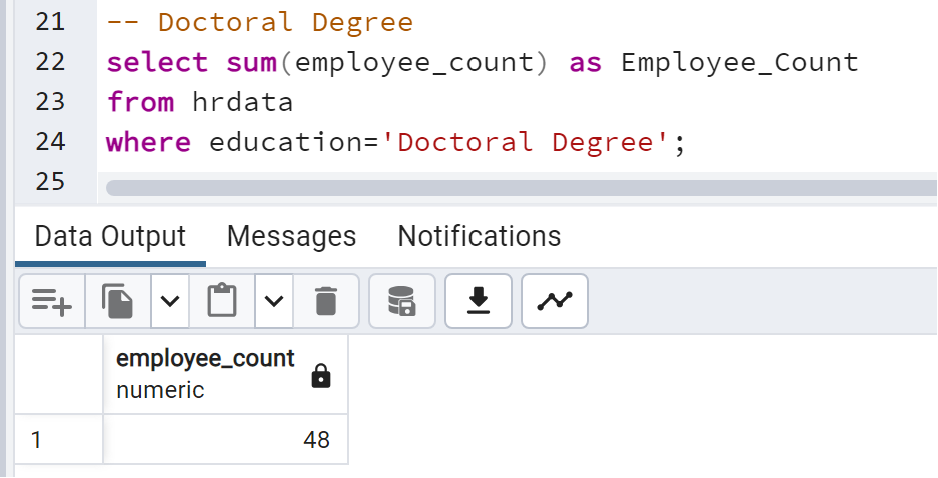
-- Bachelor's Degree

select sum(employee\_count) as Employee\_Count from hrdata where education='Bachelor''s Degree';



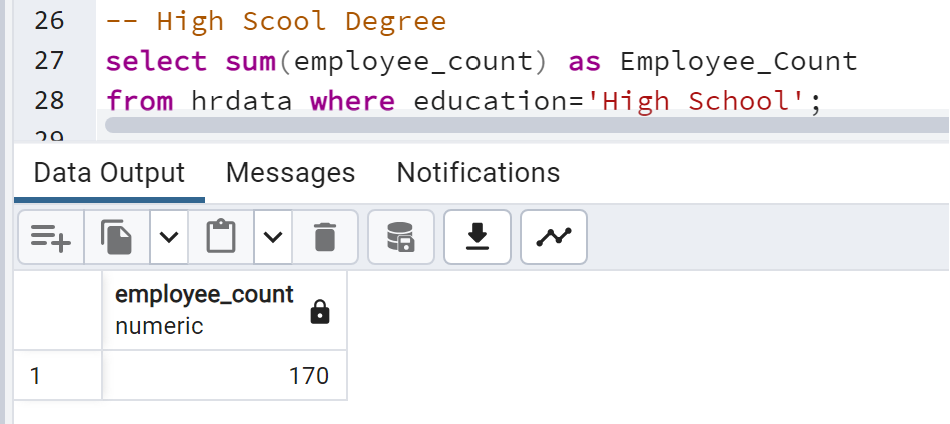
-- Doctoral Degree

select sum(employee\_count) as Employee\_Count from hrdata where education='Doctoral Degree';



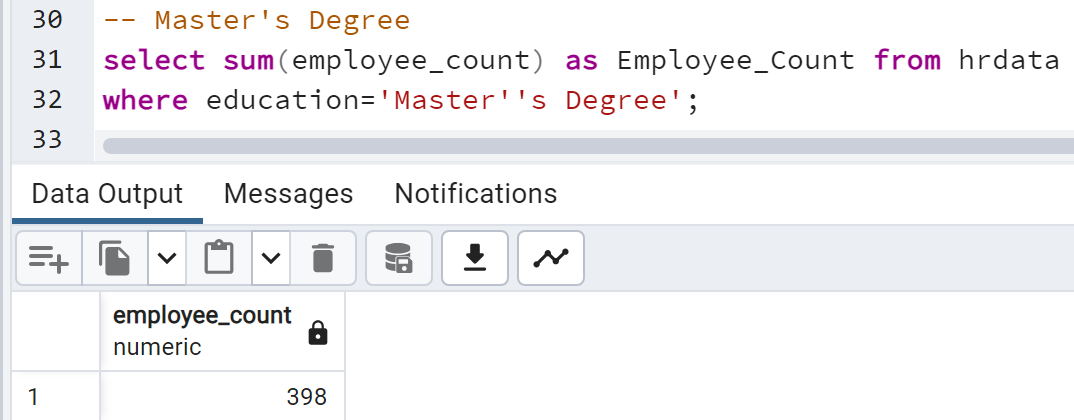
-- High Scool Degree

select sum(employee\_count) as Employee\_Count from hrdata where education='High School';



-- Master's Degree

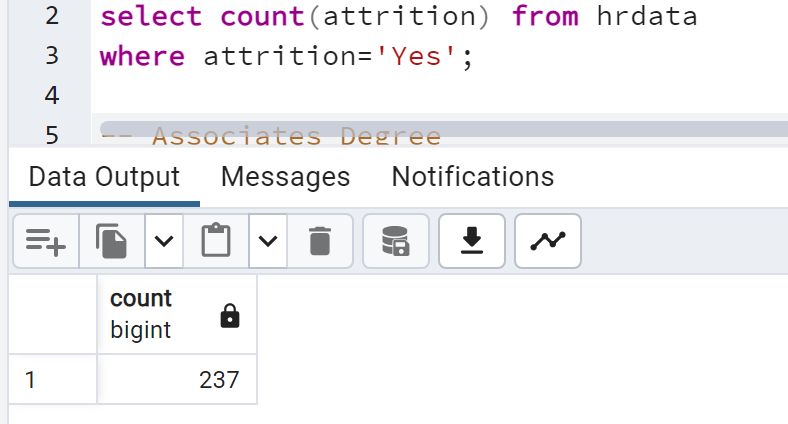
select sum(employee\_count) as Employee\_Count from hrdata where education='Master''s Degree';



-- b) TOTAL ATTRITION COUNT

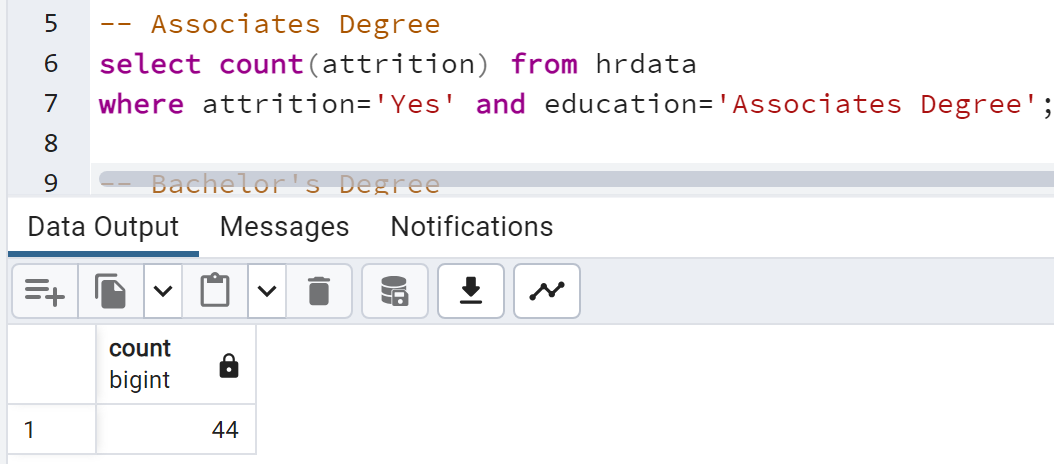
select count(attrition) from hrdata

where attrition='Yes';



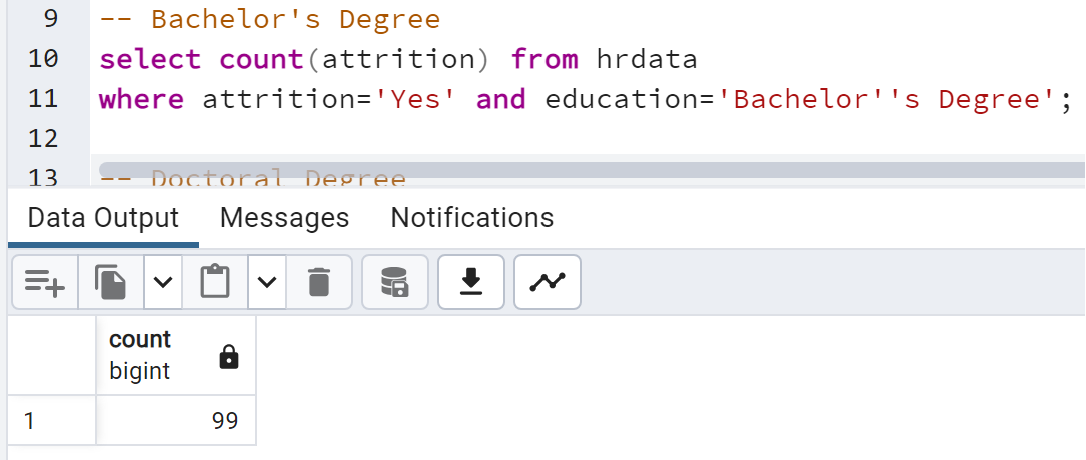
-- Associates Degree

select count(attrition) from hrdata where attrition='Yes' and education='Associates Degree';



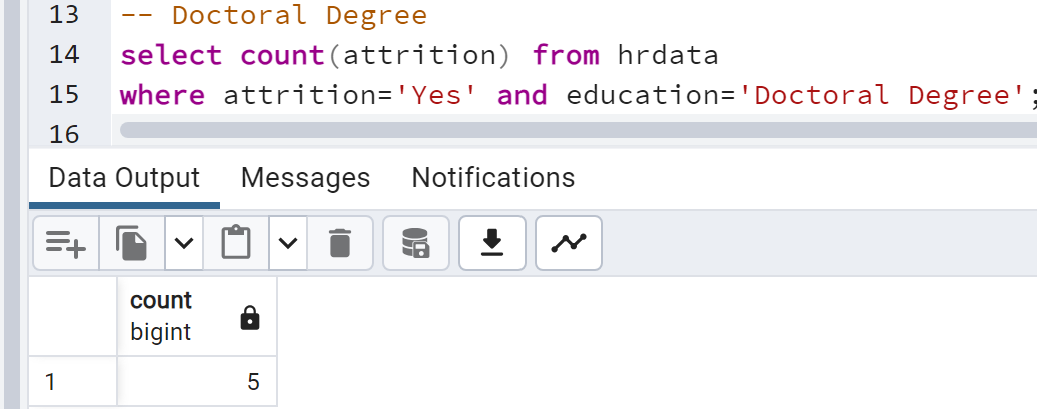
-- Bachelor's Degree

select count(attrition) from hrdata where attrition='Yes' and education='Bachelor''s Degree';



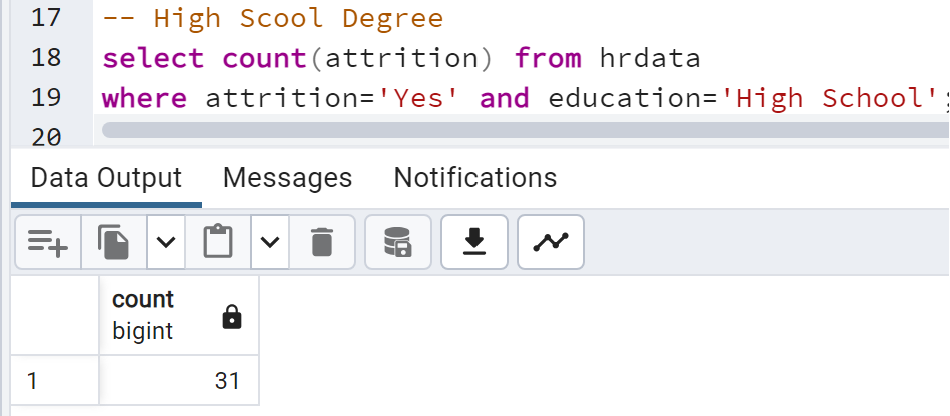
-- Doctoral Degree

select count(attrition) from hrdata where attrition='Yes' and education='Doctoral Degree';



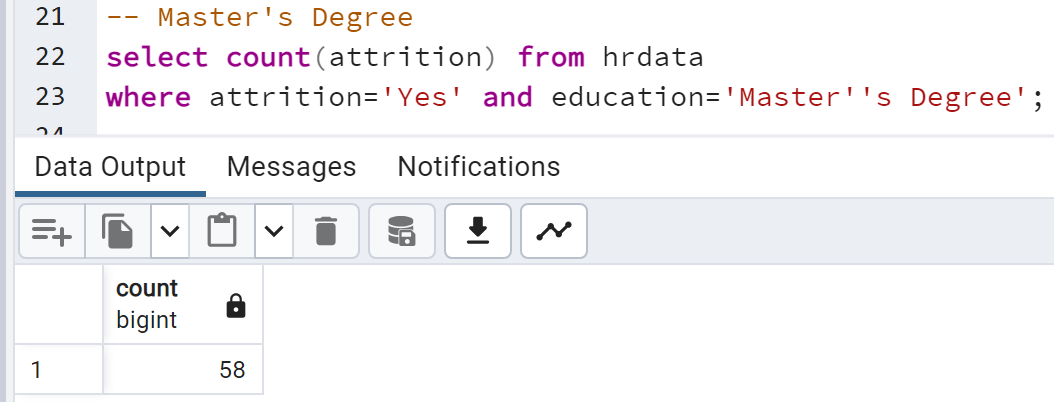
-- High Scool Degree

select count(attrition) from hrdata where attrition='Yes' and education='High School';



-- Master's Degree

select count(attrition) from hrdata where attrition='Yes' and education='Master''s Degree';

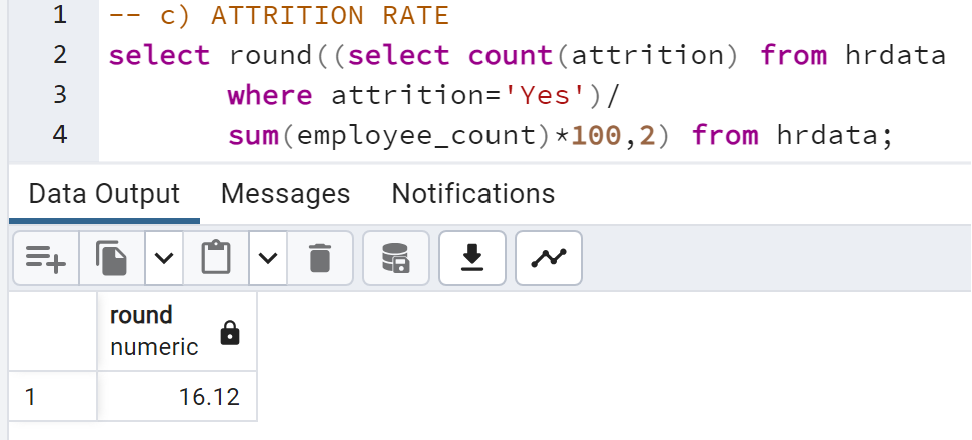


-- c) ATTRITION RATE

select round((select count(attrition) from hrdata

where attrition='Yes')/

sum(employee\_count)\*100,2) from hrdata;



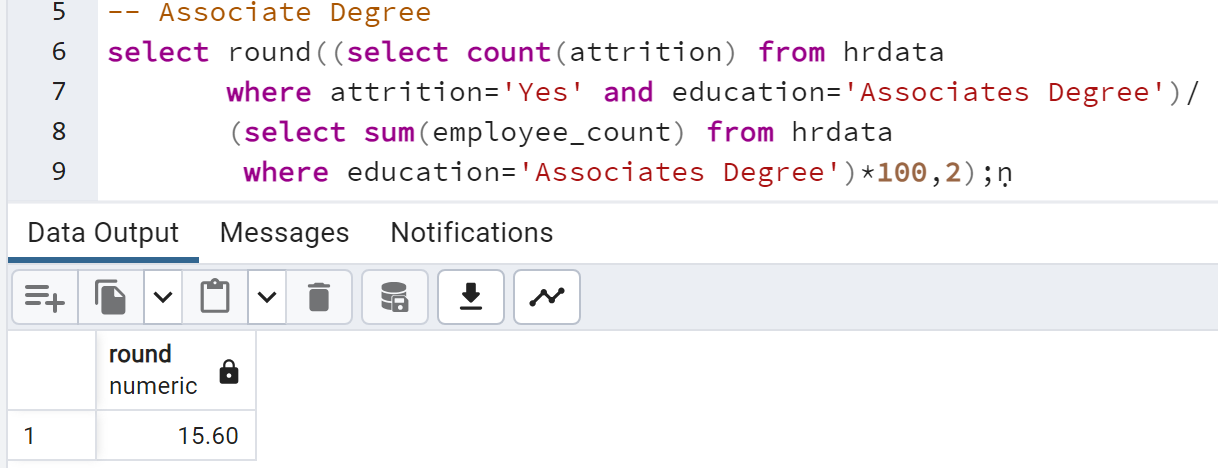
-- Associate Degree

select round((select count(attrition) from hrdata

where attrition='Yes' and education='Associates Degree')/

(select sum(employee\_count) from hrdata

where education='Associates Degree')\*100,2);



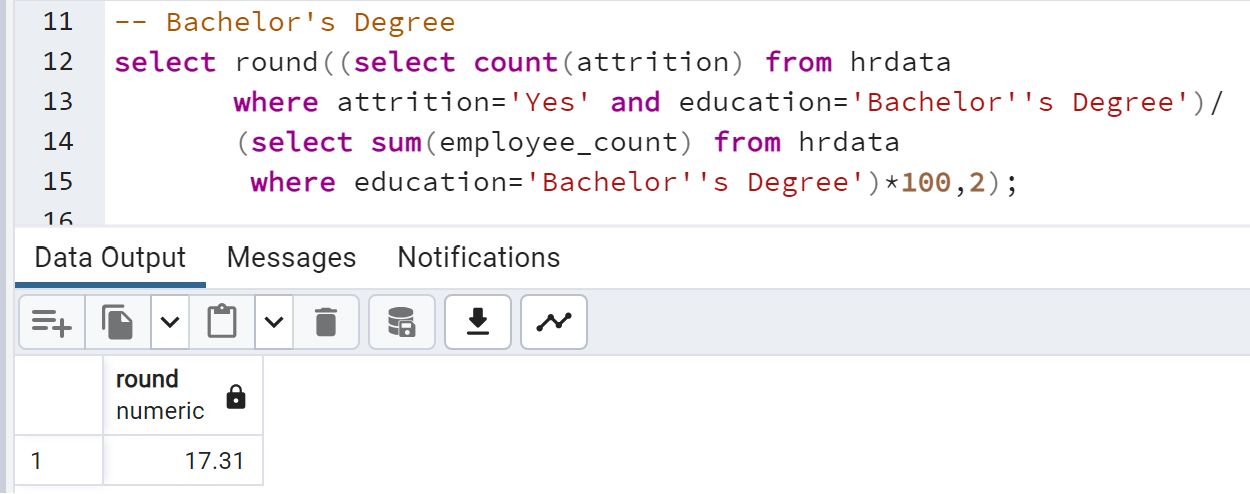
-- Bachelor's Degree

select round((select count(attrition) from hrdata

where attrition='Yes' and education='Bachelor''s Degree')/

(select sum(employee\_count) from hrdata

where education='Bachelor''s Degree')\*100,2);



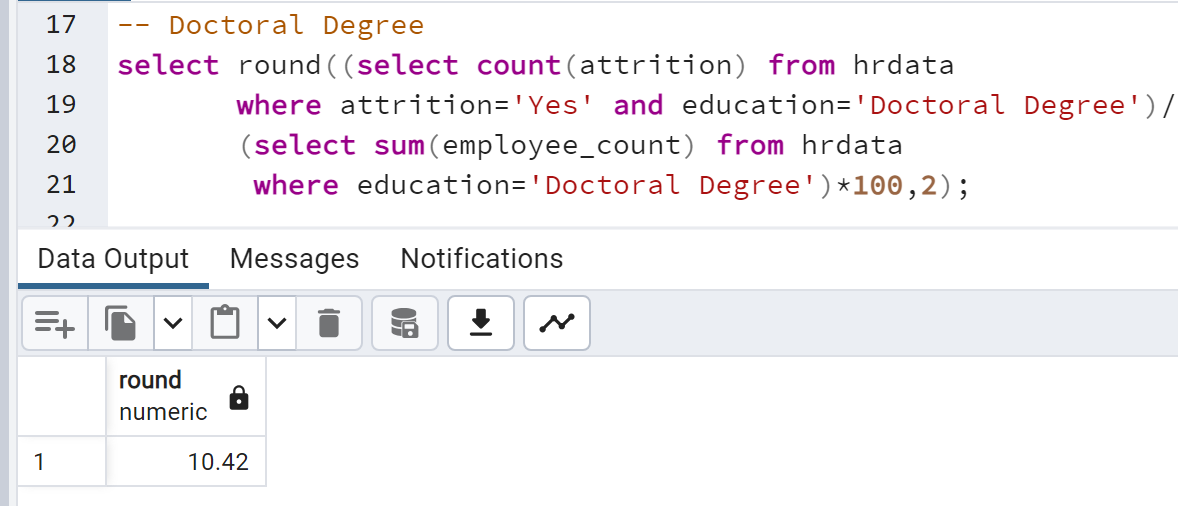
-- Doctoral Degree

select round((select count(attrition) from hrdata

where attrition='Yes' and education='Doctoral Degree')/

(select sum(employee\_count) from hrdata

where education='Doctoral Degree')\*100,2);



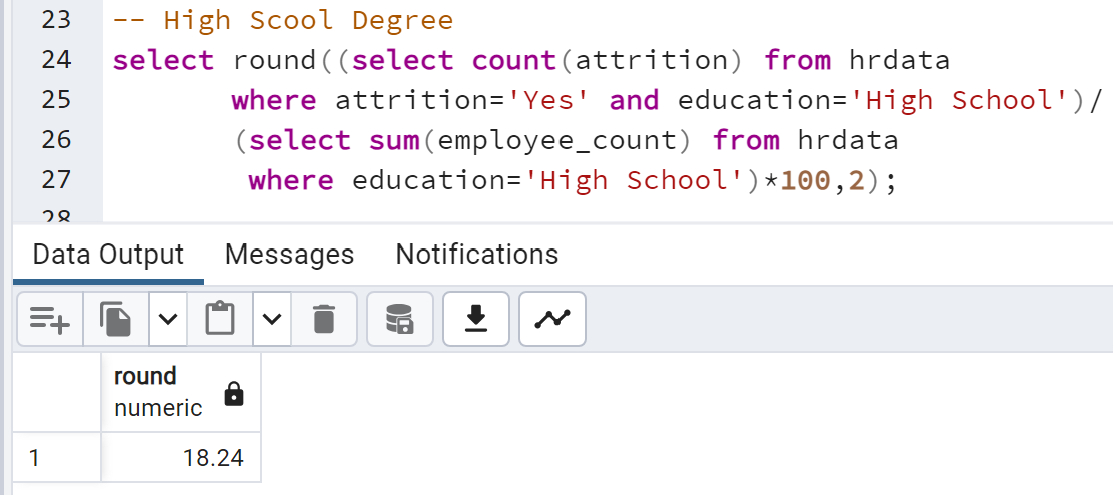
-- High Scool Degree

select round((select count(attrition) from hrdata

where attrition='Yes' and education='High School')/

(select sum(employee\_count) from hrdata

where education='High School')\*100,2);



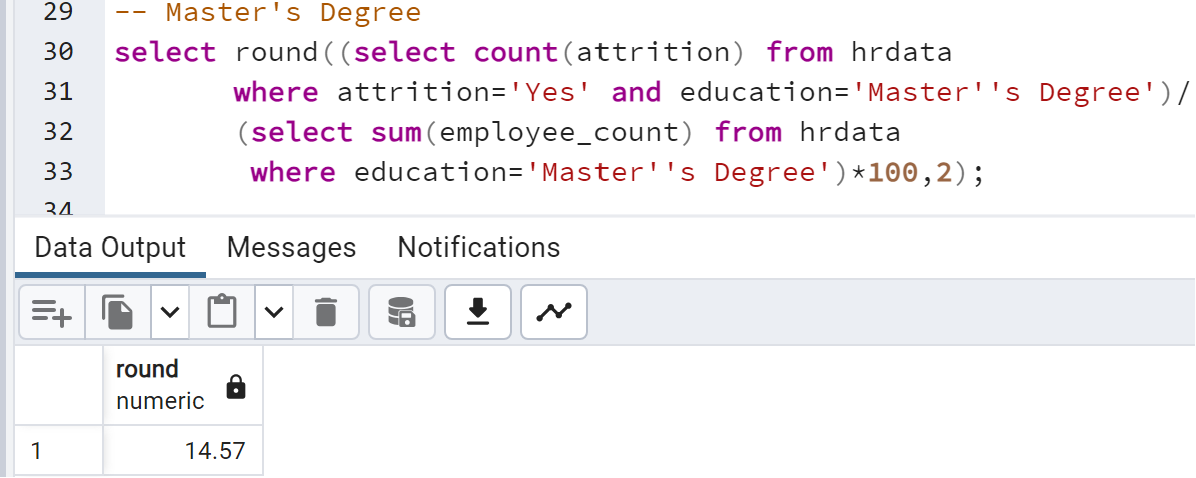
-- Master's Degree

select round((select count(attrition) from hrdata

where attrition='Yes' and education='Master''s Degree')/

(select sum(employee\_count) from hrdata

where education='Master''s Degree')\*100,2);



-- d) ACTIVE EMPLOYEES

SELECT COUNT(attrition) AS "Active Employees"

FROM hrdata WHERE attrition = 'No';

-- OR

select sum(employee\_count) - (select count(attrition)

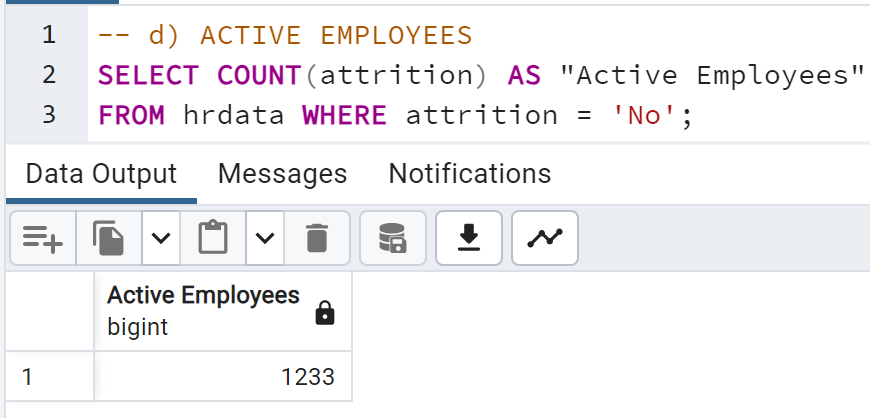
from hrdata where attrition='Yes') from hrdata;

-- OR

select (select sum(employee\_count) from hrdata) - count(attrition)

as active\_employee from hrdata

where attrition='Yes';

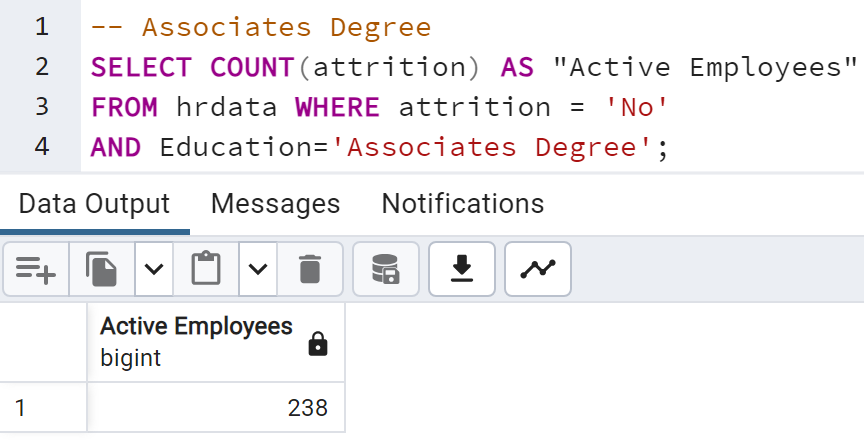


-- Associates Degree

SELECT COUNT(attrition) AS "Active Employees"

FROM hrdata WHERE attrition = 'No'

AND Education='Associates Degree';

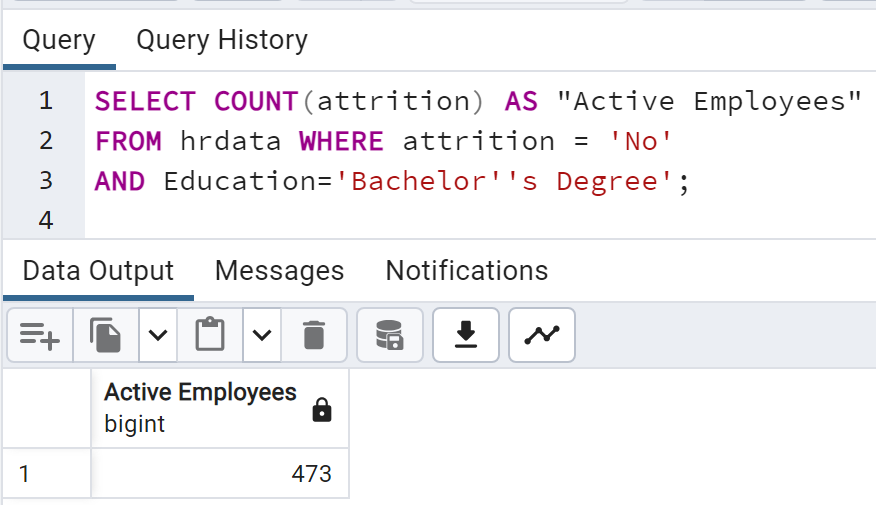


-- Bachelor's Degree

SELECT COUNT(attrition) AS "Active Employees"

FROM hrdata WHERE attrition = 'No'

AND Education='Bachelor''s Degree';

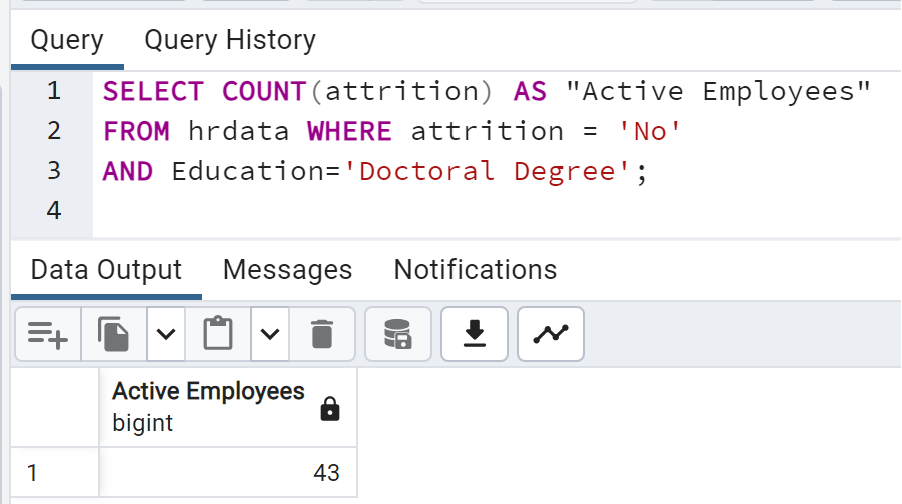


-- Doctoral Degree

SELECT COUNT(attrition) AS "Active Employees"

FROM hrdata WHERE attrition = 'No'

AND Education='Doctoral Degree';

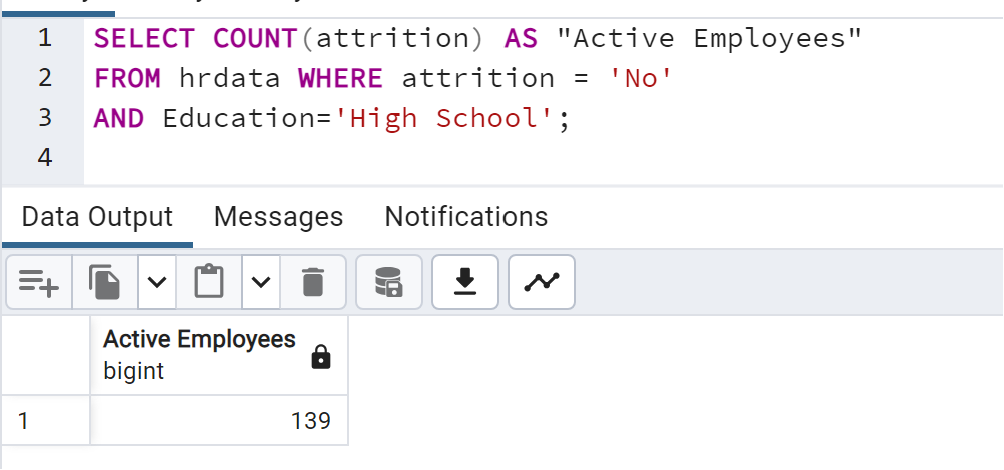


-- High Scool Degree

SELECT COUNT(attrition) AS "Active Employees"

FROM hrdata WHERE attrition = 'No'

AND Education='High School';

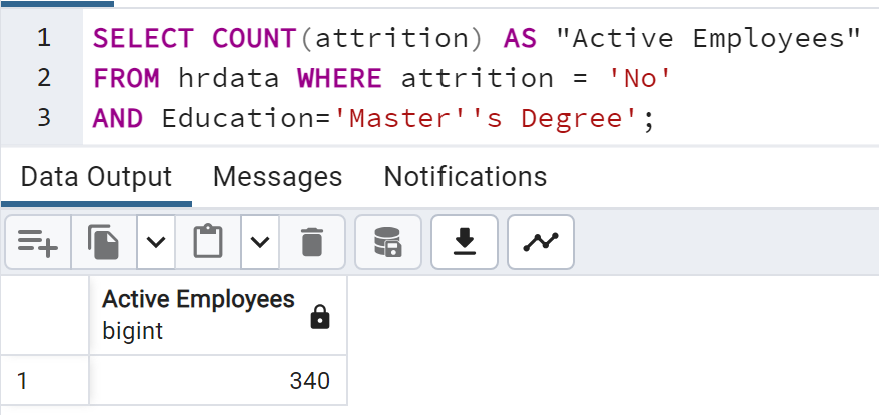


-- Master's Degree

SELECT COUNT(attrition) AS "Active Employees"

FROM hrdata WHERE attrition = 'No'

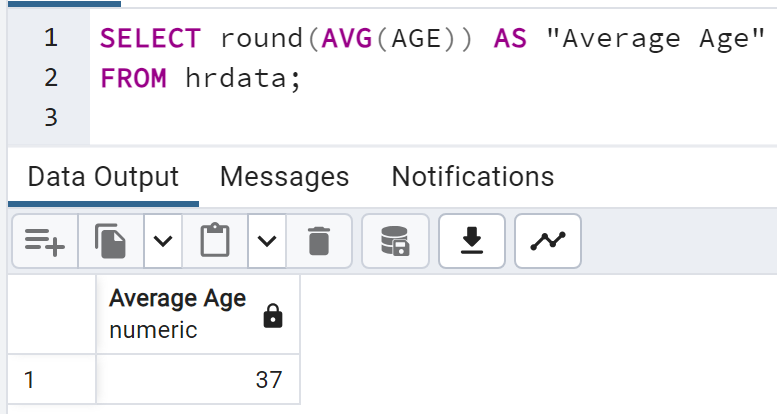
AND Education='Master''s Degree';



-- e) AVERAGE AGE

SELECT round(AVG(AGE)) AS "Average Age"

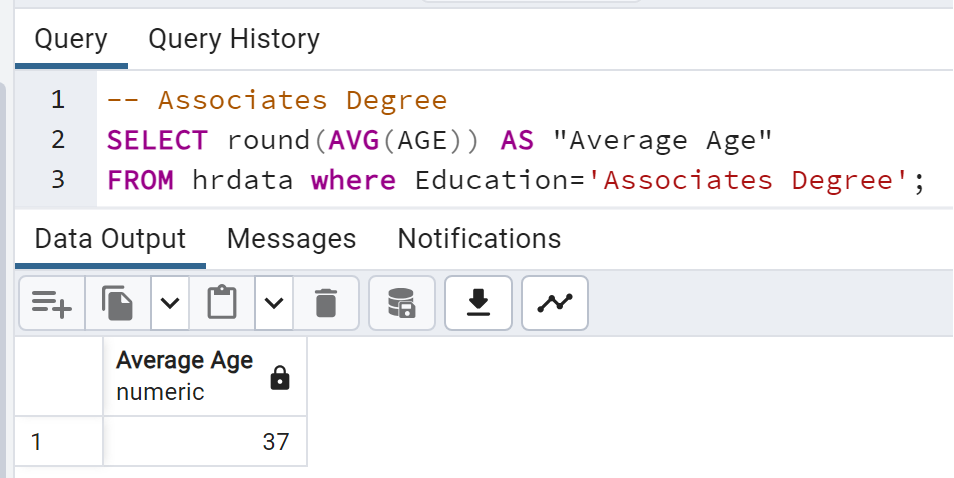
FROM hrdata;



-- Associates Degree

SELECT round(AVG(AGE)) AS "Average Age"

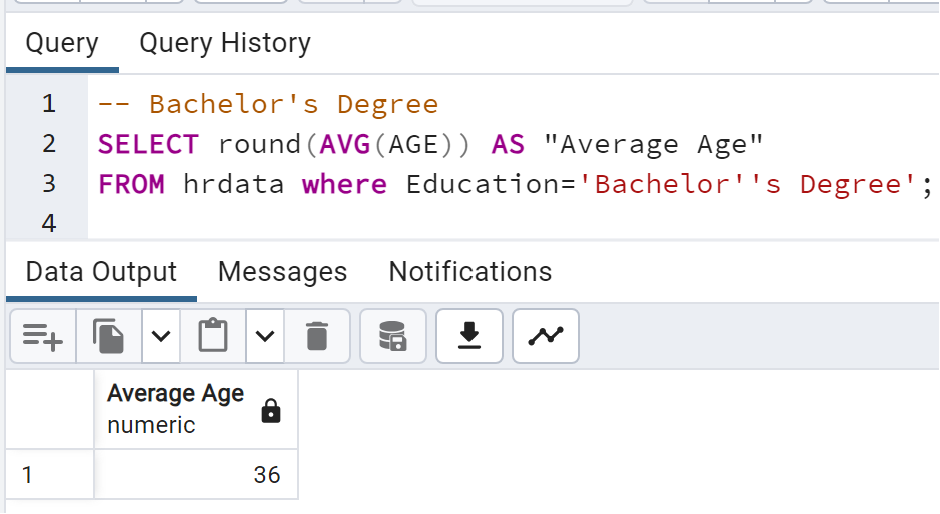
FROM hrdata where Education='Associates Degree';



-- Bachelor's Degree

SELECT round(AVG(AGE)) AS "Average Age"

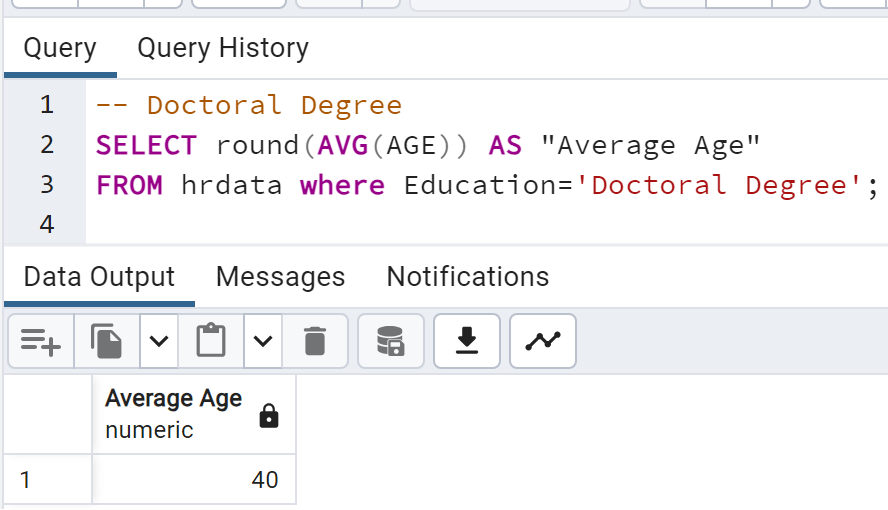
FROM hrdata where Education='Bachelor''s Degree';



-- Doctoral Degree

SELECT round(AVG(AGE)) AS "Average Age"

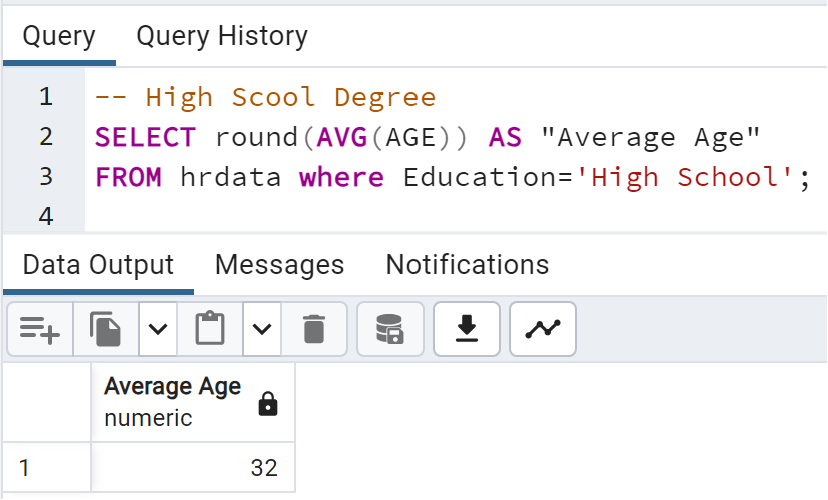
FROM hrdata where Education='Doctoral Degree';



-- High Scool Degree

SELECT round(AVG(AGE)) AS "Average Age"

FROM hrdata where Education='High School';



-- Master's Degree

SELECT round(AVG(AGE)) AS "Average Age"

FROM hrdata where Education='Master''s Degree';

