1.Creating Table:

create table HrData(

Emp\_no int primary key,

Gender varchar(50) Not Null,

Marital\_status varchar(20),

Age\_band varchar(50),

Age int,

Department varchar(50),

Education varchar(50),

Education\_field varchar(50),

Job\_role varchar(50),

Business\_travel varchar(50),

Employee\_count int,

Attrition varchar(50),

Attrition\_label varchar(50),

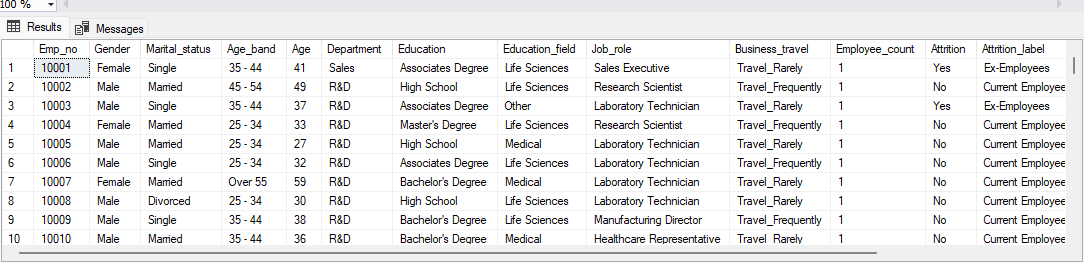
Job\_satisfaction int,

Active\_employee int

)

2. View the table:

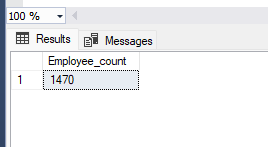
ViSelect \* from HrData



3.KPI’s:

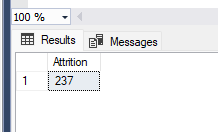
3.1 Employee Count:

select sum(Employee\_count) as Employee\_count from HrData



3.2 Attrition :

select count(Attrition) as Attrition from HrData where Attrition = 'yes'

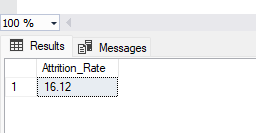


3.3 Attrition Rate:

SELECT FORMAT(((select COUNT(Attrition) from HrData where Attrition='yes')\*1.0)/

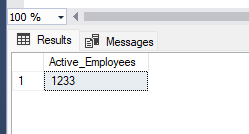
SUM(Employee\_count)\*100, '0.00') AS Attrition\_Rate

FROM HrData;



3.4 Active Employees:

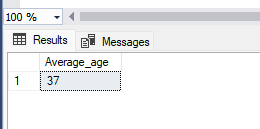
select sum(Employee\_count) -(select count(Attrition) from HrData where Attrition = 'yes') as Active\_Employees from HrData



3.5 Average\_age:

SELECT Format(AVG(CAST(Age AS decimal(10, 2))),'0') AS Average\_age

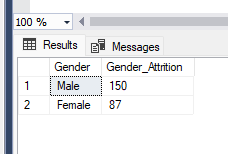
FROM HrData;



4. Charts:

4.1 Attrition By Gender:

select Gender,count(Attrition) as Gender\_Attrition from HrData where Attrition ='yes' group by Gender Order by Gender desc;

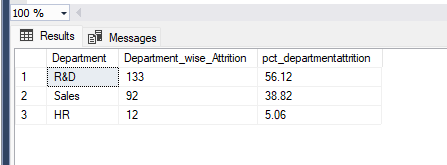


4.2 Attrition By Department:

select Department, count(Attrition) as Department\_wise\_Attrition , Format((cast (count(Attrition) as numeric) /

(select count(Attrition) from HrData where Attrition= 'Yes')) \* 100, '0.00') as pct\_departmentattrition from HrData where Attrition='Yes'group by Department

order by count(Attrition) desc;

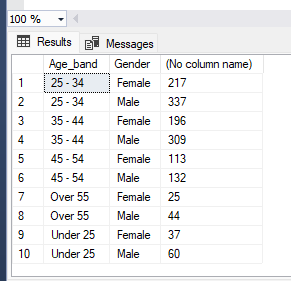


4.3 Employeecount by Age\_band and Gender:

select Age\_band,Gender,count(Employee\_count) from HrData

Group by Age\_band,Gender

order by Age\_band;



4.3 Job Satisfaction Rate for Different Job roles:

SELECT

Job\_role,

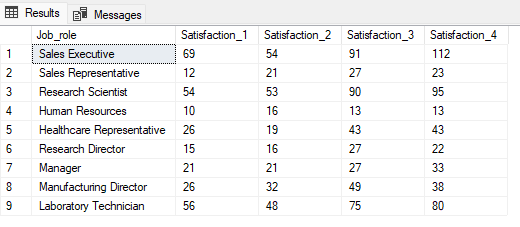
COUNT(CASE WHEN Job\_satisfaction = '1' THEN 1 END) AS Satisfaction\_1,

COUNT(CASE WHEN Job\_satisfaction = '2' THEN 1 END) AS Satisfaction\_2,

COUNT(CASE WHEN Job\_satisfaction = '3' THEN 1 END) AS Satisfaction\_3,

COUNT(CASE WHEN Job\_satisfaction = '4' THEN 1 END) AS Satisfaction\_4

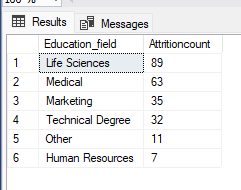
FROM HrData GROUP By Job\_role;



4.3 Attrition count by Education\_field:

select Education\_field,count(Attrition) as Attritioncount from HrData

where Attrition='yes' group by Education\_field order by Attritioncount desc



4.4 Attrition Rate by Gender for Different age Group:

select Age\_band, Gender, count(Attrition) as attrition\_count,

Format((cast(count(Attrition) as numeric) / (select count(Attrition) from HrData where Attrition = 'Yes')) \* 100,'0.00') as pct\_agewiseattrition

from HrData where Attrition = 'Yes' group by Age\_band, Gender order by Age\_band, Gender desc;

