**HR Data Analysis Portfolio Project Using SQL Queries**

**Create Table as HR Data:**

create table hrdata

(

emp\_no int8 PRIMARY KEY,

gender varchar(50) NOT NULL,

marital\_status varchar(50),

age\_band varchar(50),

age int8,

department varchar(50),

education varchar(50),

education\_field varchar(50),

job\_role varchar(50),

business\_travel varchar(50),

employee\_count int8,

attrition varchar(50),

attrition\_label varchar(50),

job\_satisfaction int8,

active\_employee int8

)

**Import Data in Table Using Import from Table:**

**Employee Count:**

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

**Attrition Count:**

select count(attrition) from hrdata where attrition='Yes';

**Attrition Rate:**

select

round (((select count(attrition) from hrdata where attrition='Yes')/

sum(employee\_count)) \* 100,2)

from hrdata;

**Active Employee:**

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';

**Average Age:**

select round(avg(age),0) 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;

**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;