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

);

SELECT \* FROM hrdata;

Q.1 What is the Number of Employees(employee\_count) ?

select sum(employee\_count) as count\_emp from hrdata

where education ='high School'; /\* 170 \*/

select sum(employee\_count) as count\_emp from hrdata

where department='R&D';/\* 961 \*/

select sum(employee\_count) as count\_emp from hrdata

where education\_field='Medical';/\* 464 \*/

Q.2 What is the Number of Employees which left (Attrition count) ?

select count(attrition) from hrdata

where attrition ='Yes' and department = 'R&D'; /\* 133 \*/

Q.3 What is the Attrition Rate ?

select (round((select count(attrition) from hrdata where attrition ='Yes' and department='Sales')/ sum(employee\_count))\*100, 2)

from hrdata

where department='Sales'; /\* count=92, 20.63% \*/

Q.4 What is the Number of Active employees ?

select sum(employee\_count)- (select count (attrition)from hrdata where attrition='Yes' and gender='Male')

from hrdata

where gender='Male';/\* 732 \*/

Q.5 What is the Average age ?

select round(avg(age),0) as Avg\_age from hrdata;

Q.6 What is the Attrition by gender ?

select gender ,count(attrition) from hrdata

where attrition='Yes'

group by gender

order by count(attrition) desc;/\* male=150 , female=87 \*/

Q.7 What is the Department wise Attrition percentage ?

select department , count(attrition),

round((cast(count(attrition) as signed )/(select count(attrition) where attrition='Yes')) \*100,2) as PCT from hrdata

where attrition='Yes'

group by department

order by count(attrition) desc;/\* R&D:56.12, Sales:38.82, HR:5.06 \*/

Q.8 What is the Number of employees by different Age group ?

select age, sum(employee\_count) from hrdata

group by age

order by age;

Q.9 What is the Education field wise Attrition ?

select education\_field,count(attrition) from hrdata

where attrition='Yes'

group by education\_field

order by count(attrition) desc;

Q.10 What is the Attrition Rate by gender for different age groups ?

select age\_band,gender,count(attrition),

round((cast(count(attrition) as signed )/(select count(attrition) where attrition='Yes')) \*100,2) as PCT from hrdata

where attrition='Yes'

group by age\_band,gender

order by age\_band,gender desc;

Q.11 What is the Job satisfaction rating?

Create EXTENSION if not exists tablefunc;

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;