```
select * from hrdata

select sum(employee_count) from hrdata

select sum(employee_count) from hrdata
where education='High School'

select sum(employee_count) from hrdata
where department='R&D'

select sum(employee_count) from hrdata
where education_field='Medical'

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

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

select count(attrition) from hrdata
where attrition ='Yes' and education_field='Medical' and department='R&D'

select count(attrition)as Emp_Count from hrdata
where attrition ='Yes' and department='R&D' and education_field='Medical' and education='High
School'

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

select sum(employee_count) - (select count(attrition) from hrdata where attrition ='Yes' and
gender='Female')
from hrdata where gender='Female'

select round(avg(age),0) from hrdata where education='High School'

--attrition by gender
select gender,count(attrition) from hrdata
where attrition = 'Yes'
group by gender
order by count(attrition) desc

select gender,count(attrition) from hrdata
```

```
where attrition = 'Yes' and education='Doctoral Degree'
group by gender
order by count(attrition) desc

--Attrition by department
select department,count(attrition) from hrdata
where attrition='Yes'
group by department

select department,count(attrition),
round((cast(count(attrition) as numeric)/(select count(attrition) from hrdata
                                                                    where attrition='Yes'
and gender='Female')) * 100,2)
from hrdata
where attrition='Yes' and gender='Female'
group by department

--no of employee by age group
select age,count(employee_count) from hrdata
group by age
order by age

select age,count(employee_count) from hrdata
where department='HR'
group by age
order by age

--Attrition by education field
select education_field,count(attrition)
from hrdata
where attrition='Yes'
group by education_field
order by count(attrition) desc

select education_field,count(attrition)
from hrdata
where attrition='Yes'
group by education_field
order by count(attrition) desc

--Attrition rate by gender for different age group
select age_band,gender,count(attrition) from hrdata
where attrition='Yes'
group by age_band,gender
```

```
order by age_band,gender

select age_band,gender,count(attrition),
round((cast(count(attrition) as numeric)/(select count(attrition) from hrdata where
attrition='Yes'))*100,2)
from hrdata
where attrition='Yes'
group by age_band,gender
order by age_band,gender

--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;

create extension if not exists tablefunc
```