```sql
select * from project.dbo.data1

select * from project.dbo.data2

-- Number of rows

select count(*) from project..data1

select count(*) from project..data2

--data for bihar,jharkhand

select * from project.dbo.data1 where State in ('Bihar','Jharkhand')

--population of india

select sum(population) from project.dbo.data2

--Average growth of India

select avg(growth)*100 as avg_growth from project..data1

--Average growth of Individual States

select state,avg(growth)*100 as avg_growth from project..data1 group by state

--Average sex ratio

select state,round(avg(Sex_Ratio),0) as sex_ratio from project..data1 group by state

--Average highest sex ratio of Individual States

select state,round(avg(Sex_Ratio),0) as sex_ratio from project..data1 group by state
order by Sex_Ratio desc

--Average literacy rate

select state,round(avg(Literacy),0) as literacy from project..data1 group by state order
by literacy desc

--literacy rate above 90

select state,round(avg(Literacy),0) as literacy from project..data1 group by state having
round(avg(Literacy),0)>90 order by literacy desc

--top 3 in terms of growth of Individual States

select top 3 state,avg(growth)*100 as avg_growth from project..data1 group by state order
by avg_growth desc

-- bottom 3 in terms of growth of Individual States

select top 3 state,avg(growth)*100 as avg_growth from project..data1 group by state order
by avg_growth asc

-- state starting with a

select distinct state from project..data1 where state like 'a%'
```

```sql
-- state ending with d

select distinct state from project..data1 where state like 'd%'

--state starting with a and ending with d

select distinct state from project..data1 where state like 'a%' and state like '%d'

-- Number of males and females by table joining

select c.district,c.state,c.population/(c.Sex_Ratio+1)
males,(c.population*(c.Sex_Ratio))/(c.Sex_Ratio+1) from
(select a.district,a.state,a.Sex_Ratio/1000,b.population from project..data1 a inner join
project..data2 b on a.district=b.district)c

--Total literacy and illetrate people rate

select d.district , d.state, d.literacy_ratio*d.population literate_people,(1-
d.literacy_ratio)*d.population illiterate_people from
(select a.district,a.state,a.literacy/100  literacy_ratio,b.population from
project..data1 a inner join project..data2 b on a.district=b.district)d

--total literacy rate

select a.district,a.state,a.literacy/100  literacy_ratio,b.population from project..data1
a inner join project..data2 b on a.district=b.district

--population in pervious census

select d.district,d.state,population/(1+growth) previous_census_population,population
current_census_population from
(select a.district,a.state,a.growth growth,b.population from project..data1 a inner join
project..data2 b on a.district=b.district)d


--window

output top 3 district from each state with highest literacy rate

select a.* from
(select district,state,literacy,rank() over(partition by state order by literacy desc)
rnk from project..data1)a
where a.rnk in (1,2,3) order by state
```