1. Run SQL.sql into your local database.
2. On table SumTest, write a query that gives the sum of population by city where the population is greater than 500,000.

**Not really sure what you are looking for based on the way the question is asked. My initial thought was to filter after summing.**

**Filters based on sum of population**

select City, sum(Population) as Population

from [dbo].[SumTest]

group by City

having sum(Population) > 500000

**Filters before doing the sum**

select City, sum(Population) as Population

from [dbo].[SumTest]

where population > 500000

group by City

1. On table Employee, give the names of employees, whose salaries are greater than their immediate managers’.

select e.Name

from Employee e

left outer join Employee m on e.ManagerId = m.id

where e.Salary > m.Salary

Name

Sally

Joe

Dan

1. On table Employee, what is the average salary of employees who do not manage anyone?

select AVG(Salary) as AverageSalary

from

(

select e.\* from Employee e

where e.id not in (select ISNULL(ManagerId, -1) from Employee)

) t

AverageSalary

425.000000