

Quiz 2:

In the United States, workers have a Social Security Number, that allows the Social Security Office to calculate jubilation benefits.

Assume that each month, an employer gives information to the Social Security Office that shows the employment of a worker with a given Social Security Number and their remuneration. These records are distributed over several storage sites.

Upon reaching retirement age, a worker approaches the Social Security Office and asks for the calculation of the benefits. This results in another record that combines the Social Security Number with the address of the retiring worker. These records are also distributed over several storage locations.

The Social Security Office wants to get the employment record of all retiring workers from the city of Fort Lauderdale in Florida for an audit. This would affect about 1000 persons per week.

Explain how map-reduce can help them get this information. Try to avoid moving unnecessary data.