-- 1

SELECT

column\_name

FROM

information\_schema.COLUMNS

WHERE

table\_name = 'naep'

=========================================

--2

SELECT \*

FROM naep

LIMIT 50

======================================

--3

SELECT round(SUM(avg\_math\_4\_score)/count(naep.state)) as average\_test\_score, round(MAX(avg\_math\_4\_score)) as max\_score,

round(MIN(avg\_math\_4\_score)) as min\_score , SUM(enroll)AS total\_enroll\_count, naep.state

FROM naep

LEFT JOIN finance

ON naep.year=finance.year and naep.state=finance.state

GROUP BY naep.state

ORDER by state

=============================================

--4

SELECT round(SUM(avg\_math\_4\_score)/count(naep.state)) as average\_test\_score,round(MAX(avg\_math\_4\_score)) as max\_score,

round(MIN(avg\_math\_4\_score)) as min\_score ,SUM(enroll)AS total\_enroll\_count, naep.state

FROM naep

LEFT JOIN finance

ON naep.year=finance.year and naep.state=finance.state

GROUP BY naep.state

HAVING MAX(avg\_math\_4\_score)-MIN(avg\_math\_4\_score)>30

ORDER by state

======================================================

--5

SELECT round(avg\_math\_4\_score) as avg\_math\_4\_score, naep.state AS bottom\_10\_states ,naep.year

FROM naep

LEFT JOIN finance

ON naep.year=finance.year and naep.state=finance.state

WHERE naep.year=2000

order by avg\_math\_4\_score

LIMIT 10

====================================================

--6

SELECT round(sum(naep.avg\_math\_4\_score)/count(naep.state),2),naep.year

FROM naep

LEFT JOIN finance

ON naep.year=finance.year and naep.state=finance.state

WHERE naep.year=2000 and avg\_math\_4\_score is not null

GROUP BY naep.year

==================================================

--7

SELECT avg\_math\_4\_score, naep.state AS below\_average\_states\_y2000 , naep.year

FROM naep

LEFT JOIN finance

ON naep.year=finance.year and naep.state=finance.state

WHERE avg\_math\_4\_score<

(SELECT round(sum(naep.avg\_math\_4\_score)/count(naep.state),2)

FROM naep

LEFT JOIN finance

ON naep.year=finance.year and naep.state=finance.state

WHERE naep.year=2000 and avg\_math\_4\_score is not null

GROUP BY naep.year)

GROUP BY avg\_math\_4\_score,naep.state,naep.year

HAVING naep.year=2000

LIMIT 10

--8

SELECT naep.state AS scores\_missing\_y2000 , naep.year,avg\_math\_4\_score

FROM naep

LEFT JOIN finance

ON naep.year=finance.year and naep.state=finance.state

WHERE naep.year=2000 and avg\_math\_4\_score is null

===========================

--9

SELECT naep.state, Round(avg\_math\_4\_score,2) AS average\_math\_4\_score, total\_expenditure

FROM naep

LEFT JOIN finance

ON naep.id=finance.id

WHERE avg\_math\_4\_score IS NOT NULL and naep.year=2000

ORDER BY total\_expenditure desc

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