A.

SELECT

    job\_id,

    job\_title,

    job\_location,

    job\_schedule\_type,

    salary\_year\_avg,

    job\_posted\_date,

    name as company\_name

from

    job\_postings\_fact

LEFT JOIN company\_dim ON job\_postings\_fact.company\_id = company\_dim.company\_id

WHERE

    job\_title\_short = 'Data Analyst' AND

    job\_location = 'Anywhere' AND

    salary\_year\_avg IS NOT NULL

ORDER BY

    salary\_year\_avg DESC

LIMIT 10

B.

with top\_paying\_job AS (

    SELECT

        job\_id,

        job\_title,

        salary\_year\_avg,

        name as company\_name

    from

        job\_postings\_fact

    LEFT JOIN company\_dim ON job\_postings\_fact.company\_id = company\_dim.company\_id

    WHERE

        job\_title\_short = 'Data Analyst' AND

        job\_location = 'Anywhere' AND

        salary\_year\_avg IS NOT NULL

    ORDER BY

        salary\_year\_avg DESC

    LIMIT 10

)

select

    top\_paying\_job.\*,

    skills

from top\_paying\_job

INNER JOIN skills\_job\_dim on top\_paying\_job.job\_id = skills\_job\_dim.job\_id

INNER JOIN skills\_dim ON skills\_job\_dim.skill\_id = skills\_dim.skill\_id

ORDER BY

    salary\_year\_avg DESC;

C.

SELECT

    skills,

    count(skills\_job\_dim.job\_id) AS demand\_count

FROM job\_postings\_fact

INNER JOIN skills\_job\_dim on job\_postings\_fact.job\_id = skills\_job\_dim.job\_id

INNER JOIN skills\_dim ON skills\_job\_dim.skill\_id = skills\_dim.skill\_id

WHERE

    job\_title\_short = 'Data Analyst'

GROUP BY

    skills

ORDER BY demand\_count DESC

D.

SELECT

    skills,

    round(avg(salary\_year\_avg),0) as salary\_avg

FROM job\_postings\_fact

INNER JOIN skills\_job\_dim on job\_postings\_fact.job\_id = skills\_job\_dim.job\_id

INNER JOIN skills\_dim ON skills\_job\_dim.skill\_id = skills\_dim.skill\_id

WHERE

    job\_title\_short = 'Data Analyst'

    AND salary\_year\_avg is NOT NULL

GROUP BY

    skills

ORDER BY

    salary\_avg DESC