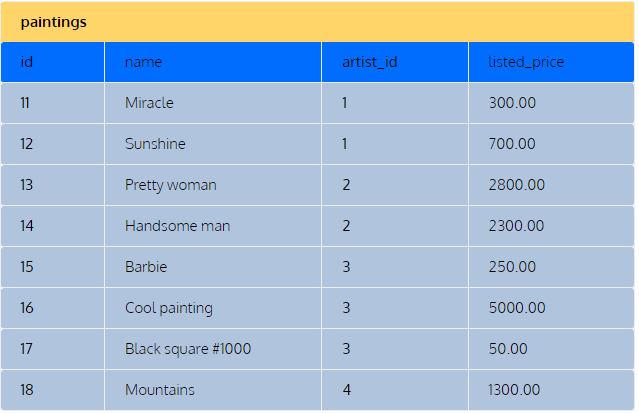
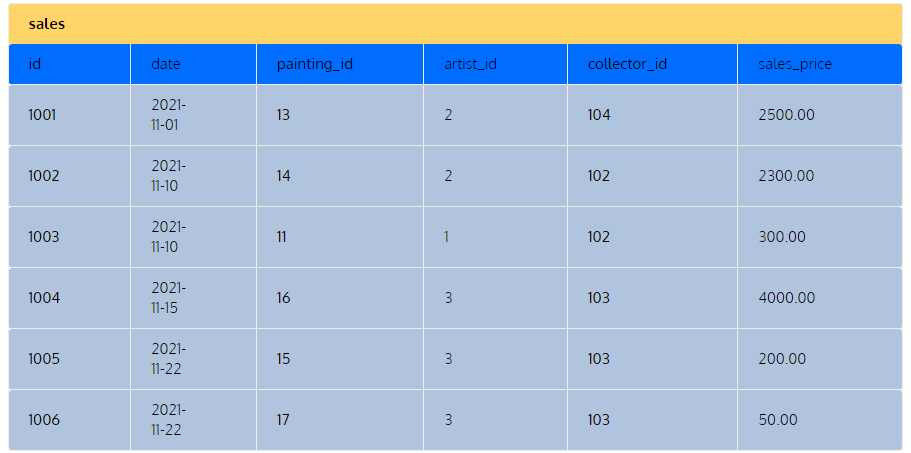
[5 SQL Subquery Examples | LearnSQL.com](https://learnsql.com/blog/sql-subquery-examples/)







Q.1 We want to list paintings that are priced higher than the average.

SELECT name, listed\_price

FROM paintings

WHERE listed\_price > (

    SELECT AVG(listed\_price)

    FROM paintings

);

Q.2 we want to list all collectors who purchased paintings from our gallery.

SELECT first\_name, last\_name

FROM collectors

WHERE id IN (

    SELECT collector\_id

    FROM sales

);

OR

SELECT DISTINCT collectors.first\_name, collectors.last\_name

FROM collectors

JOIN sales

  ON collectors.id = sales.collector\_id;

Q3 we want to see the total amount of sales for each artist who has sold at least one painting in our gallery.

SELECT

  artists.first\_name,

  artists.last\_name,

  artist\_sales.sales

FROM artists

JOIN (

    SELECT artist\_id, SUM(sales\_price) AS sales

    FROM sales

    GROUP BY artist\_id

  ) AS artist\_sales

  ON artists.id = artist\_sales.artist\_id;

Q.4  we want to calculate the number of paintings purchased through our gallery.

SELECT

  first\_name,

  last\_name,

  (

    SELECT count(\*) AS paintings

    FROM sales

    WHERE collectors.id = sales.collector\_id

  )

FROM collectors;

Q.5 we want to show the first names and the last names of the artists who had zero sales with our gallery.

SELECT first\_name, last\_name

FROM artists

WHERE NOT EXISTS (

  SELECT \*

  FROM sales

  WHERE sales.artist\_id = artists.id

);