```sql
SELECT
  NTILE(5) OVER (
    ORDER BY streams_millions DESC
  ) AS 'weekly_streams_group',
  artist,
  week,
  streams_millions
FROM
  streams;

select rank() over(
  order by streams_millions
)rank , artist,streams_millions
from streams

SELECT
  ROW_NUMBER() OVER (
    ORDER BY streams_millions
  ) AS 'row_num',
  artist,
  week,
  streams_millions
FROM
  streams;

SELECT
  artist,
  week,
  streams_millions,
  LEAD(streams_millions, 1) OVER (
    PARTITION BY artist
```

```sql
    ORDER BY week
  ) - streams_millions AS 'streams_millions_change'
FROM
  streams;

select
    artist,
    week,
    streams_millions,
    lag(streams_millions,1,0) over(
     order by week
    ) previous_week_streams
from streams
where artist = 'Drake';

SELECT username,
  posts,
  LAST_VALUE (posts) OVER (
    PARTITION BY username
    ORDER BY posts
    RANGE BETWEEN UNBOUNDED PRECEDING AND
    UNBOUNDED FOLLOWING
  ) AS most_posts
FROM social_media;

SELECT username,
  posts,
  FIRST_VALUE (posts) OVER (
    PARTITION BY username
    ORDER BY posts
  ) AS least_posts
```

```
FROM social_media;

SELECT
  username,
  month,
  change_in_followers,
  SUM(change_in_followers) OVER (
    PARTITION BY username
    ORDER BY month
  ) 'running_total_followers_change',
  avg(change_in_followers) over(
    partition by username
    order by month
  ) 'running_avg_followers_change'
FROM
  social_media;

SELECT
  month,
  change_in_followers,
  SUM(change_in_followers) OVER (
    ORDER BY month
  ) AS 'running_total',
  AVG(change_in_followers) OVER (
    ORDER BY month
  ) AS 'running_avg',
  COUNT(change_in_followers) OVER (
    ORDER BY month
  ) AS 'running_count'
FROM
  social_media
```

```
WHERE
  username = 'instagram';
```