## **SQL Query**

```
DECLARE @stream date i date = '2017-01-01';
DECLARE @stream date f date = '2017-01-31';
DECLARE @rank_limit int=20;
SELECT ss.video rank, vi.title, ss.video streams, ss.strDate, su.id, su.firstname,
su.lastname
FROM
(
       SELECT subscriber_id, video_id, COUNT(video_id) video_streams ,
       CONCAT(DATEPART(month, streaming_date) ,'/', DATEPART(year, streaming_date))as strDate,
       ROW_NUMBER()OVER(PARTITION BY subscriber_id ORDER BY subscriber_id,COUNT(video_id) desc)
as video_rank
       FROM tvsSubscribersStreaming
       WHERE streaming date between @stream date i and @stream date f
       GROUP BY subscriber_id, video_id, CONCAT(DATEPART(month, streaming_date) ,'/',
DATEPART(year, streaming_date))
) AS ss
INNER JOIN tvssubscribers su
       ON ss.subscriber id = su.id
INNER JOIN tvsvideos vi
      ON ss.video id = vi.id
WHERE video_rank<=@rank_limit</pre>
ORDER BY ss.subscriber_id, video_rank
```

## **Algorithm**