```sql
create database netflix_db;
use netflix_db;



-------------------------------------------------------------------------------
--1. Retrieve all columns from the dataset
select * from netflix;

--2. Count the Number of Records
select count(*) as number_of_records from netflix;

--3. Find the unique types of content (Movies/TV Shows)
select distinct  type from netflix;

--4. Retrieve all movies released in 2020
select title from netflix
where release_year = 2020;

--5. Get the top 5 directors with the most titles
select top 5 director,count(*) as Number_of_titles
from netflix
where director is not null
group by director
order by count(*) desc;

--6. Find the number of movies and TV shows separately
select type, count(*) Total_number from netflix
group by type;



--7. Find the average duration of movies
select avg(cast(replace(duration, 'min',' ' )as int)) as average_duration
from netflix
where type = 'Movie' and duration is not null;
```

```sql
--8. Find the top 5 countries with the most Netflix content
select top 5 country,count(*) as Total_content
from netflix
where country is not null
group by country
order by count(*) desc;

--9. Find the number of titles added per year
select release_year, count(*) as title_added
from netflix
where release_year is not null
group by release_year
order by release_year desc;

--10. Find the percentage of Movies vs TV Shows
select type, count(*)*100.0/(select count(*) from netflix) as Percentage
from netflix
group by type;


--11. Find the top genres with the highest number of titles
with cte_genre as(
    select trim(value) as genre from netflix
    cross apply string_split(listed_in, ','))
select top 5 genre, count(*) as total_titles
from cte_genre
group by genre
order by count(*) desc;


--12. Find the top 5 most frequent actors in Netflix content
with cte_actor as (
    select trim(value) as actor from netflix
    cross apply string_split(cast,','))
select top 5 actor,count(*) as frequency
```

```sql
from cte_actor
group by actor
order by count(*) desc;


--13. Find the most common release month for Netflix titles
select datename(month,date_added) as month, count(*) as Total_title
from netflix
where datename(month,date_added) is not null
group by datename(month,date_added)
order by count(*) desc;




--14. Find movies with the longest duration
select title,duration from netflix
where type = 'movie' and duration is not null
order by cast(replace(duration,'min','') as int) desc;



--15. Find the total number of TV Shows with Seasons count distribution
select duration, count(*) as total_show
from netflix
where type = 'tv show'
group by duration
order by count(*) desc;

--16. Identify the country with the highest number of TV Shows
with cte_country as (
    select trim(value) as single_country,count(*) as total_count
    from netflix
    cross apply string_split(country,',')
group by trim(value))
select single_country, total_count
from cte_country
order by total_count desc;
```

```sql
--17. Find the director who has directed the most content for Netflix
with cte_director as (
    select trim(value) as director, count(*) as total_count
    from netflix
    cross apply string_split(director,',')
    group by trim(value))
select director,total_count
from cte_director
order by total_count desc;



-- 18. Find the earliest and latest release years in the dataset
select min(release_year) as earliest_release, max(release_year) as latest_release
from netflix;



-- 19. Find the year with the highest number of content added
select top 1 release_year, count(*) as total_count
from netflix
where release_year is not null
group by release_year
order by count(*) desc;



-- 20. Get a list of movies that belong to multiple genres
select type, listed_in
from netflix
where type = 'movie' and charindex(',',listed_in)>0;
```