Cs17b005 Assignment-3

Queries

1. Give the ordered list of OTT platforms based on number of R rated movies it streams
2. Get the list of production house founders sorted by the number of profitable movies they produced
3. Get the list of movies whose immediate sequel has earned more that itself
4. Get the list of review organizations with their avg rating for the movies they rated ordered by the avg rating. Scale the ratings to make them comparable
5. Get the name of director with the most number of awards for his movies alone (Count only best movie awards not best director awards)
6. Rank industries based on avg IMDb rating for their movies
7. Get the list of cast/crewmember that worked for a Hollywood movie ordered by number of awards received by the oldest award organisation
8. Get the list of the cast worked for top 5 grossing movies all time

Corresponding SQL queries

1. select s.OrgName, count(m.EIDRContentID) from streamingpartner s, streams ss, movie m where m.EIDRContentID = ss.MovieID and ss.StreamingPlatform = s.OrgName and m.Certificate = 'R' group by s.OrgName order by count(m.EIDRContentID) desc
2. select f.Founder, count(m.EIDRContentID) from productionhousefounders f, productionhouse h, produced p, movie m where f.ProductionHouseName = h.Name and p.ProductionHouseName = h.Name and m.EIDRContentID = p.MovieID and (m.GrossCollection-p.Budget) > 0 group by f.Founder order by count(m.EIDRContentID) desc
3. select m.Name from movie m where exists (select * from movie s where m.SequelID = s.EIDRContentID and m.GrossCollection < s.GrossCollection)
4. select o.OrgName, sum(r.Rating/o.MaxRating)/count(m.EIDRContentID) as av from revieworg o, reviewed r, movie m where o.OrgName = r.ReviewOrgName and r.MovieID = m.EIDRContentID group by o.OrgName order by av desc
5. select c.FirstName, c.LastName, count(m.EIDRContentID) from movie m, receivedmovieaward a, cneast c, workedin w where m.EIDRContentId = w.MovieID and w.Role = 'Director' and w.CneastFirstName = c.FirstName and a.MovieID = m.EIDRContentID group by c.FirstName order by count(m.EIDRContentID) desc
6. select m.Industry, avg(r.Rating) from movie m, reviewed r where r.MovieID = m.EIDRContentID and r.ReviewOrgName = 'IMDB' group by m.Industry order by avg(r.Rating) desc
7. select c.FirstName, c.LastName, count(r.AwardType) from cneast c, workedin w, movie m, receivedmovieaward r where c.FirstName = w.CneastFirstName and c.LastName = w.CneastLastName and w.MovieID = m.EIDRContentID and r.MovieID = m.EIDRContentID and m.Industry = 'Hollywood' and r.AwardOrgName <= all (select EstdYear from awardorganisation) group by c.FirstName order by count(r.AwardType) desc
8. select c.FirstName,c.LastName from cneast c, workedin w, movie m where m.EIDRContentID = w.MovieID and w.CneastFirstName = c.FirstName and w.Role <> 'Director' and m.EIDRContentID in (select EIDRContentID from movie order by GrossCollection desc limit 5 offset 0)