Question 1:

SELECT Budget, (cast(Revenue AS SIGNED) - cast(Budget AS SIGNED )) AS GrossProfit FROM movie WHERE Country='USA' AND Budget IS NOT NULL AND movie.Revenue IS NOT NULL ORDER BY Budget

Question 2:

"SELECT Runtime, (cast(Revenue AS SIGNED) - cast(Budget AS SIGNED )) AS GrossProfit FROM movie WHERE Country = 'USA' AND movie.Revenue IS NOT NULL AND Budget IS NOT NULL and Runtime is not null order by Runtime"

"SELECT Runtime, Rating FROM movie WHERE Rating IS NOT NULL and Country = 'USA' and Runtime is not null ORDER BY Runtime"

"SELECT Runtime, (cast(Revenue AS SIGNED) - cast(Budget AS SIGNED )) AS GrossProfit, genre\_id FROM (movie JOIN movie\_has\_genre ON Movie\_id=movie.id) WHERE Revenue is not null and Budget is not null and Country = 'USA' and Runtime is not null AND genre\_id=" + str(i)

"SELECT Runtime, Rating, genre\_id FROM (movie JOIN movie\_has\_genre ON Movie\_id=movie.id) WHERE Country = 'USA' and Rating is not null AND genre\_id=" + str(i)

Question 3:

"select Rating, (cast(Revenue AS SIGNED) - cast(Budget AS SIGNED )) as gp, Person.FacebookLikes from (movie join (person join person\_directs\_movie on Person\_id=person.id) on Movie\_id=movie.id) where Rating is not NULL and Revenue is not NULL and Budget is not null and Country = 'USA'"

Question 4:

"SELECT Rating, GrossProfit, FacebookLikes from (movie join person\_directs\_movie on Movie\_id=movie.id) where Rating is not NULL and GrossProfit is not NULL and Country = 'USA'"

Question 5:

"SELECT DISTINCT Country FROM movie"

"select Year, avg(cast(Revenue AS SIGNED) - cast(Budget AS SIGNED )) as AverageProfit from (movie JOIN movie\_has\_genre ON Movie\_id=movie.id) WHERE budget IS NOT NULL AND movie.Revenue IS NOT NULL AND Country='" + country + "' AND Genre\_id=" + str(v) + " GROUP BY Year order by year"

"select Year, (cast(Revenue AS SIGNED) - cast(Budget AS SIGNED)) as grossProfit from (movie JOIN movie\_has\_genre ON Movie\_id=movie.id) WHERE budget is not null and movie.Revenue is not null and Country='" + country +"' and Genre\_id=" + str(gid) + " order by year"