

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:

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"select Rating, (cast(Revenue AS SIGNED) - cast(Budget AS SIGNED )) as gp, FacebookLikes from (movie
join person_directs_movie 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:

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"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'"
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Question 5:

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"SELECT DISTINCT Country FROM movie"
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"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"
```