## 10 Questions

1. What is recommender System?  
   Ans: Recommendation engines or recommender systems filter a large list of products, movies, or things to present only products or things that customers might be interested in.
2. What are the advantages of surprise library?  
   Ans: Surprise is easy to use python library based of scikit. It can be used for building and analyzing recommender systems that deal with explicit rating data. It has a set of built-in algorithms and datasets to experiment with them. With a Surprise we can create working model with few lines.
3. Is dataset available for free?  
   Ans: Movie rating dataset is available free to use on [grouplens.org](http://grouplens.org) site after filling a form. Movies data is available on [kaggle.co](http://kaggle.co)m for free.
4. What are the trends found in EDA?  
   Ans: From EDA we can see the following  
   There are more movies released in the decade 2010  
   The drama genre movies has dominated the movie history followed by comedy movies.
5. What are the different types of recommendation systems?  
   Ans: The following are popular recommendation system types  
   Content-based recommendation system  
   Collaborative filtering based recommendation system  
   Popularity-based recommendation system  
   Hybrid recommendation system
6. What is weighted rating?  
   Ans: As per IMDB’s weighted rating can be calculated as follows  
   Weighted Rating (WR) =(v / (v+m) \* R) + (m / (v+m) \* C )

where,

v is the number of votes for the movie

m is the minimum votes required to be listed in the chart

R is the average rating of the movie

C is the mean vote across the whole report

1. What are the advantage of weighted rating?  
   Ans: If we consider only average rating it will not consider the number of customers/viewers that rated the movie/product. This issue is addressed by weighted-rating.
2. What is content based recommendation?  
   Ans: This recommender system uses attributes of the products or movies to find the ranking and similar products and movies.
3. What is collaborative recommendation?  
   Ans: This recommender system uses different algorithms to find similar users by some activities they performed like the movie rating, product, or movie reviews.
4. What is hybrid recommendation model?  
   Ans: These recommender systems are created by using two or more types of the above-mentioned recommender systems.
5. How this model can be further improved?  
   Ans: The model I created can be improved by considering more features of movies in content-based recommendation system. This improvement in content-based model will improve the accuracy of hybrid model as well.