**Solution Sheet**

1. Which model have you used for stock price prediction? Explain your model.

Answer: - To predict the stock price I have used Linear Regression Model.

I have taken all the numerical columns into account, along with those columns I have extracted dummies for Industries and Index too and taken them into consideration. Using the training data I have trained my Linear Regression model to predict the Stock price, while training I have evaluated making a train set and a dev set from the training data(using a train dev split on the training data), after evaluating it, I have used the entire training data (i.e. train + dev sets)once again to train the model, and then applied the test data for the predictions.

1. Which model have you used for Put-Call ratio Time series prediction? Explain your model.

Answer: - For the Put-Call ratio time series prediction, I have used the ARIMA model.