# Module 5: Assignment 9 – RMSE Score for Multi Linear Model

## Problem Statement:

You work in XYZ Corporation as a Machine Learning Engineer. After prediction of the multi linear model, now the corporation wants you to find out the accuracy of the model.

## Tasks to be performed:

1. After building the multi linear model on top of the train set for the city_temperature data frame, and finding the prediction values of the multimodel1 on top of the test dataset.

    a. Now combine the error that you have calculated while predicting the values to the Result1 data frame.

    b. With the help of the error, find the RMSE value of that model.

2. After building the multi linear model on top of the train set for the Placement_Data_Full_Class data frame, and finding the prediction values of the multimodel2 on top of the test dataset.

    a. Now combine the error that you have calculated while predicting the values to the Result2 data frame.

    b. With the help of the error, find the RMSE value of that model.

3. After building the multi linear model on top of the train set for the Pharmacovigilance_audit_Data data frame, now find the prediction values of the multimodel3 on top of the test dataset.

    a. Now combine the error that you have calculated while predicting the values to the Result3 data frame.

    b. With the help of the error, find the RMSE value of that model.