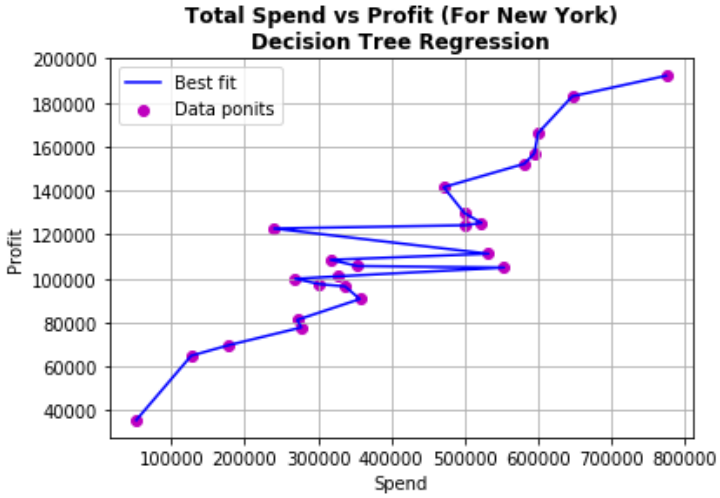
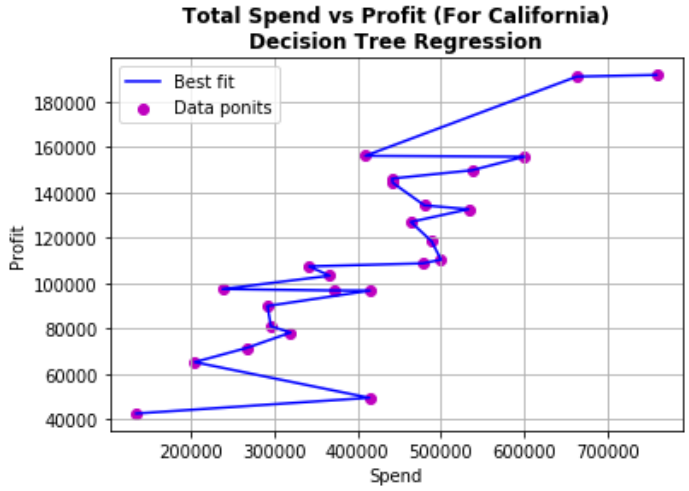
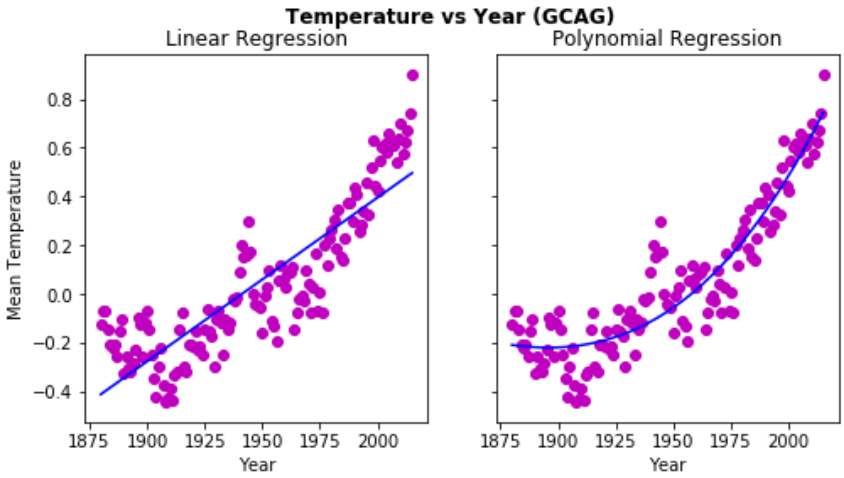
OUTPUTS OF ASSIGNMENT : 3

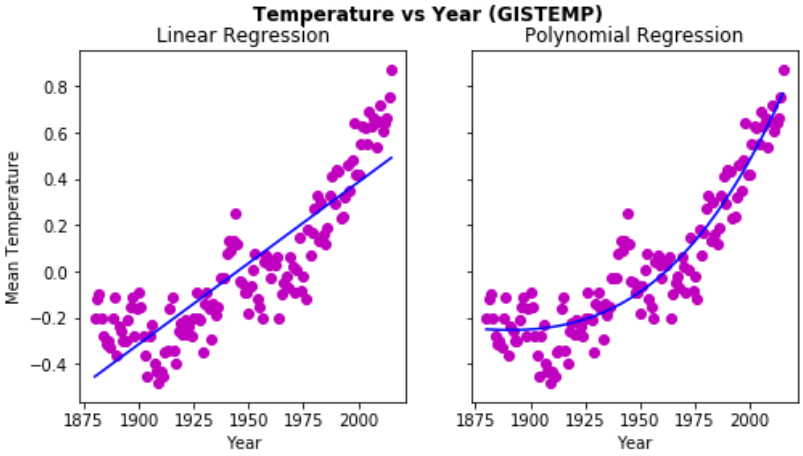
1. Take 50 startups of any two countries and find out which country is going to provide best profit in future.





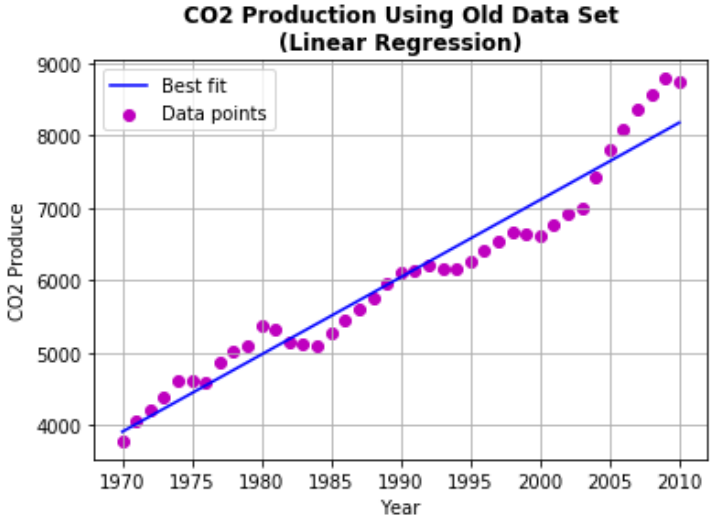
2. Annual temperature between two industries is given. Predict the temperature in 2016 and 2017 using the past data of both country.

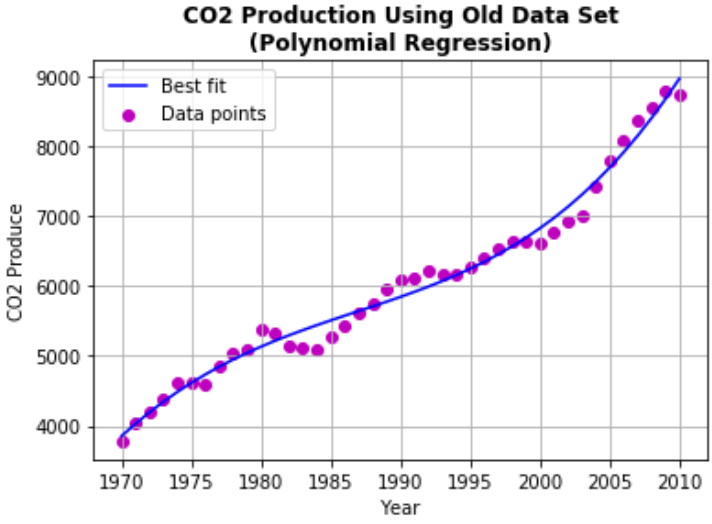





```
In [8]: runfile('C:/Users/HP/Desktop/assignment 3/temperature comparision.py', wdir='C:/
Users/HP/Desktop/assignment 3')
Predicting Temperature for GCAG for the years given below
BY LINEAR REGRESSION :
        2016 =  [[0.49777778]]
        2017 =  [[0.50477625]]

BY POLYNOMIAL REGRESSION :
        2016 =  [[0.78885745]]
        2017 =  [[0.78885745]]


Predicting Temperature for GISTEMP for the years given below
BY LINEAR REGRESSION :
        2016 =  [[0.49777778]]
        2017 =  [[0.49777778]]

BY POLYNOMIAL REGRESSION :
        2016 =  [[0.78885745]]
        2017 =  [[0.78885745]]
```

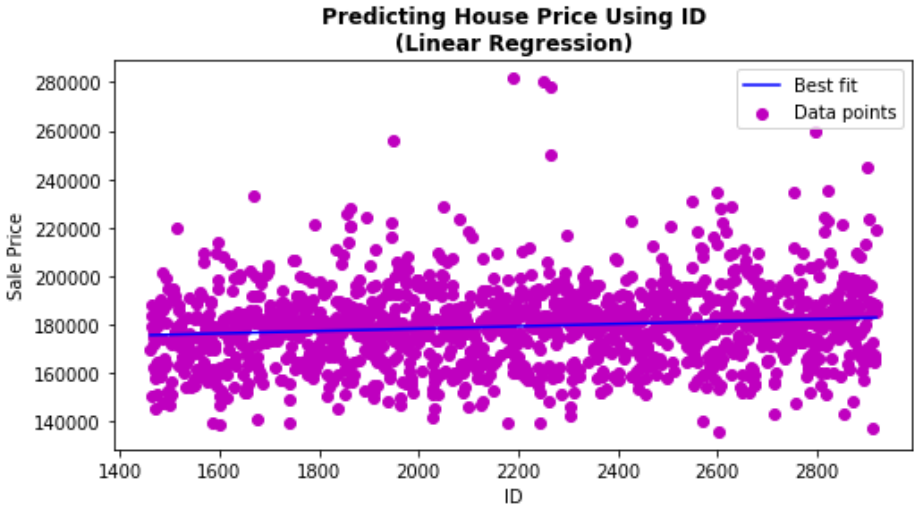
3. Data of global production of CO2 of a place is given between 1970s to 2010. Predict the CO2 production for the years 2011, 2012 and 2013 using the old data set.

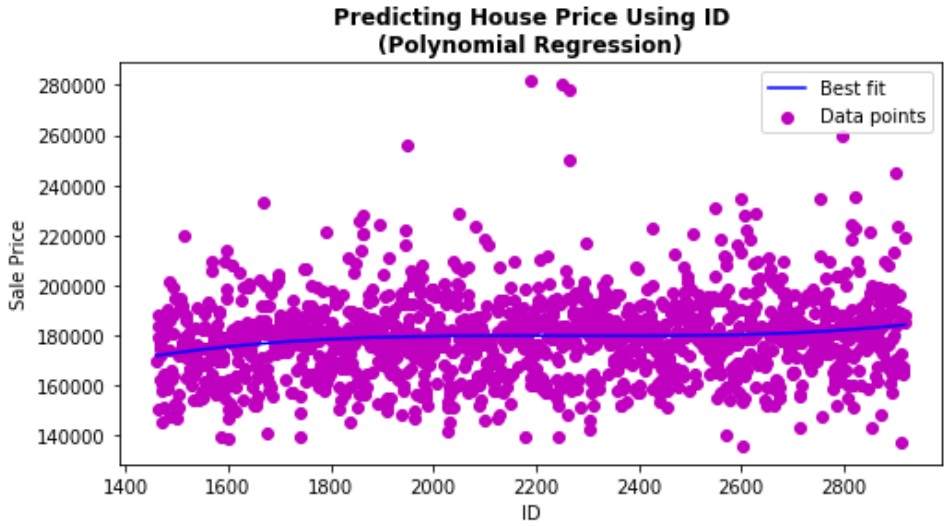





```
CO2 Production in the given year by Linear Regression will be
        2011 =  [8279.5902439]
        2012 =  [8386.22229965]
        2013 =  [8492.8543554]


CO2 Production in the given year by Ploynomial Regression will be
        2011 =  [9286.40419525]
        2012 =  [9622.29825014]
        2013 =  [9981.12760657]
```

4. Housing price according to the ID is assigned to every-house. Perform future analysis where when ID is inserted the housing price is displayed.






```
Predicting House price with Linear Regression when ID is 1500
HOUSE PRICE =   [175770.89775071]


Predicting House price with Polynomial Regression when ID is 1500
HOUSE PRICE =  [172987.59594834]
```

5. Data of monthly experience and income distribution of different employs is given Perform regression.


```
Predicting Income with Polynomial Regression on 6 months of experience
INCOME =  [602.94523768]


Predicting Income with Polynomial Regression on 6 months of experience
INCOME =  =  [584.43519086]
```