Assignment 3

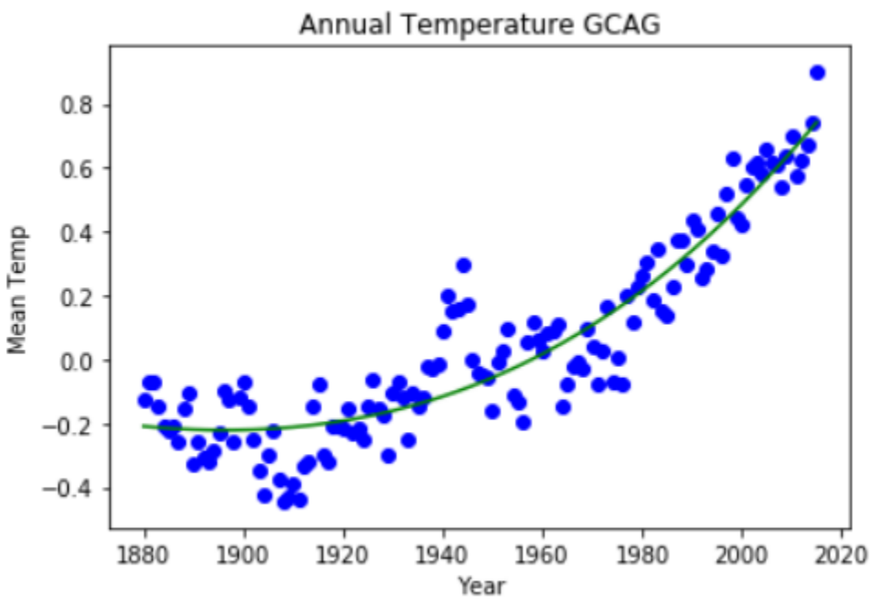
Task-1

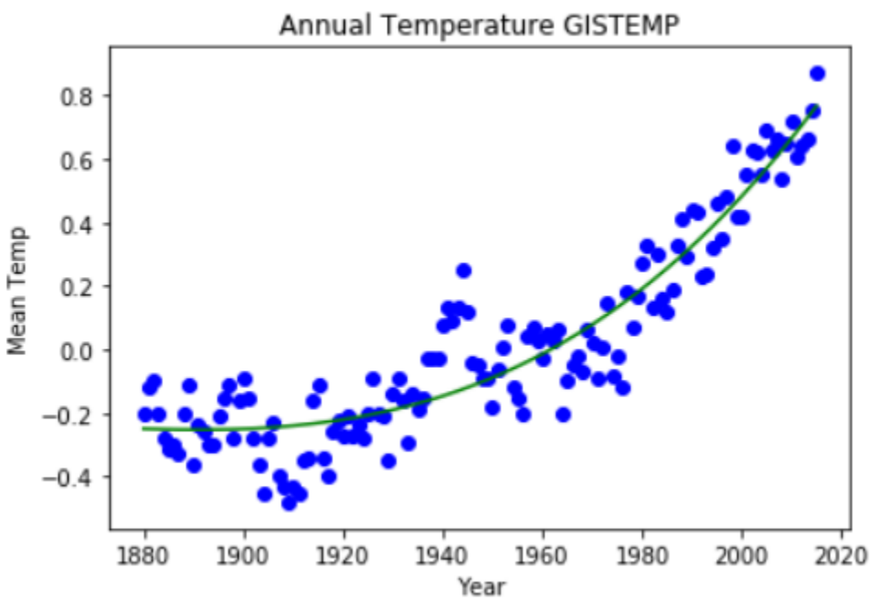
Take 50 startups of any two countries and find out which country is going to provide best profit in future.

```
In [36]: runfile('C:/Users/mhza/Documents/Machine learning online class 2020 NED/assignment 3/Assignment3
50_Startups.py', wdir='C:/Users/mhza/Documents/Machine learning online class 2020 NED/assignment 3')
Prediction for a California Startup:
[121692.68029153]
Prediction for a Florida Startup:
[127793.2230776]
Predicted Max Profit of Florida is Greater then that of California
```

Task-2

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

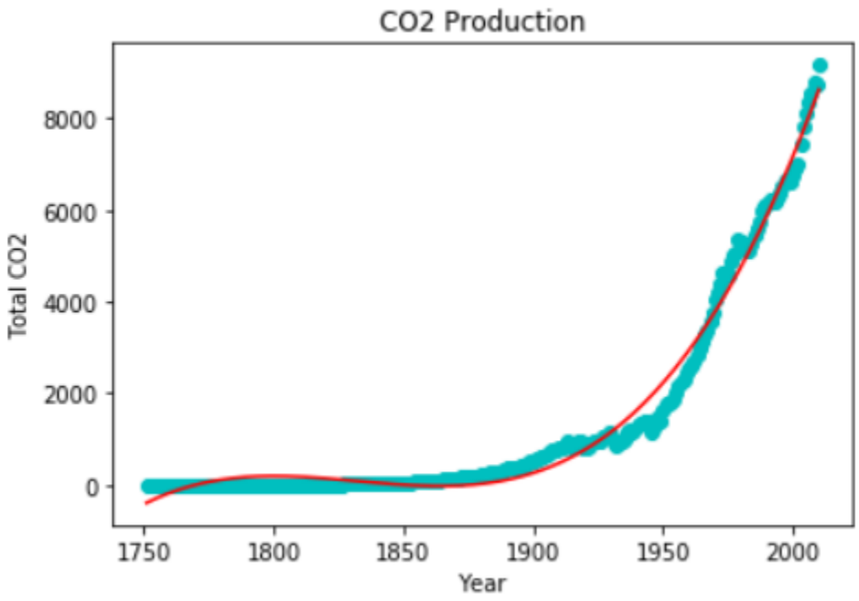





```
In [13]: runfile('C:/Users/mhza/Documents/Machine learning online class 2020 NED/assignment 3/Assignment3
annual_temp.py', wdir='C:/Users/mhza/Documents/Machine learning online class 2020 NED/assignment 3')
Predicted Temp of GCAG in 2016:
[0.76066055]
Predicted Temp of GCAG in 2017:
[0.77968599]
Predicted Temp of GISTEMP in 2016:
[0.7872217]
Predicted Temp of GISTEMP in 2017:
[0.80858168]
```

Task-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.




```
In [20]: runfile('C:/Users/mhza/Documents/Machine learning online class 2020 NED/assignment 3/Assignment3
global_co2.py', wdir='C:/Users/mhza/Documents/Machine learning online class 2020 NED/assignment 3')
Predicted CO2 production in 2011:
[8785.79963845]
Predicted CO2 production in 2012:
[8942.84532424]
Predicted CO2 production in 2013:
[9101.70383403]
```

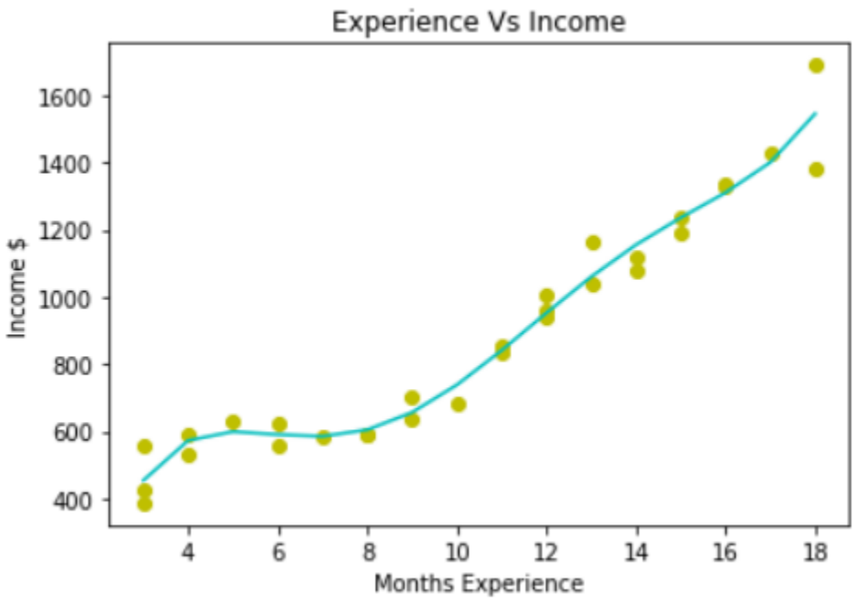
Task-4

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


```
In [24]: runfile('C:/Users/mhza/Documents/Machine learning online class 2020 NED/assignment 3/Assignment3
housing price.py', wdir='C:/Users/mhza/Documents/Machine learning online class 2020 NED/assignment 3')
Predicted Price for ID 1500 :
[172473.21885996]
Predicted Price for ID 2907
[182724.23863929]
Predicted Price for ID 3000
[182446.38558273]
```

Task-5

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




```
In [31]: runfile('C:/Users/mhza/Documents/Machine learning online class 2020 NED/assignment 3/Assignment3
monthlyexp vs incom.py', wdir='C:/Users/mhza/Documents/Machine learning online class 2020 NED/assignment
3')
Predicted income for 20 month Experience :
[2259.28977798]
Predicted income for 2 month Experience :
[160.34875378]
```