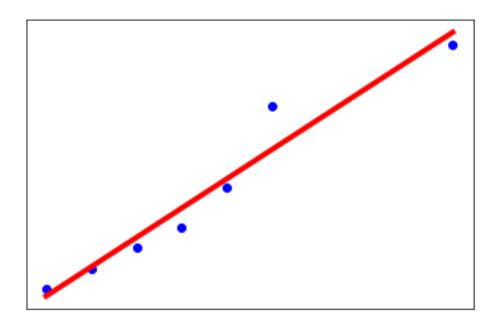
```
import matplotlib.pyplot as plt
import numpy as np
import pandas as pd
from sklearn import datasets, linear_model
# Function for Fitting our data to Linear model
def linear model main(X parameters, Y parameters, predict_value):
        # Create linear regression object
        regr = linear model.LinearRegression()
        regr.fit(X parameters, Y parameters)
        predict outcome = regr.predict(predict value)
        predictions = {}
        predictions['intercept'] = regr.intercept_
        predictions['coefficient'] = regr.coef
        predictions['predicted_value'] = predict_outcome
        return predictions
# Function to show the resutls of linear fit model
def show linear line(X parameters, Y parameters):
        # Create linear regression object
        regr = linear model.LinearRegression()
        regr.fit(X_parameters, Y_parameters)
        plt.scatter(X parameters, Y parameters, color='blue')
        plt.plot(X parameters,regr.predict(X parameters),color='red',linewidth
=4)
        plt.xticks(())
        plt.yticks(())
        plt.show()
# Function to get data
def get_data(file_name):
        data = pd.read csv(file name)
        X parameter = []
        Y parameter = []
        for single square feet , single price value in zip(data['square feet'],
data['price']):
                X parameter.append([float(single square feet)])
                Y parameter.append(float(single price value))
        return X parameter, Y parameter
X,Y = get data('input data.csv')
# print X
# print Y
predictvalue = 700
result = linear_model_main(X,Y,predictvalue)
print ("Intercept value " , result['intercept'])
print ("coefficient " , result['coefficient'])
show linear line(X,Y)
print ("Predicted value: ",result['predicted value'])
```

Intercept value 1771.8085106382969
coefficient [28.77659574]



Predicted value: [21915.42553191]