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Batch code: LISUM07

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Submitted to: Data Glacier

1. Selecting toy data

	A	B
1	YearsExpe	Salary
2	1.1	39343
3	1.3	46205
4	1.5	37731
5	2	43525
6	2.2	39891
7	2.9	56642
8	3	60150
9	3.2	54445
10	3.2	64445
11	3.7	57189
12	3.9	63218
13	4	55794
14	4	56957
15	4.1	57081
16	4.5	61111
17	4.9	67938
18	5.1	66029
19	5.3	83088
20	5.9	81363
21	6	93940
22	6.8	91738
23	7.1	98273
24	7.9	101302
25	8.2	113812
26	8.7	109431

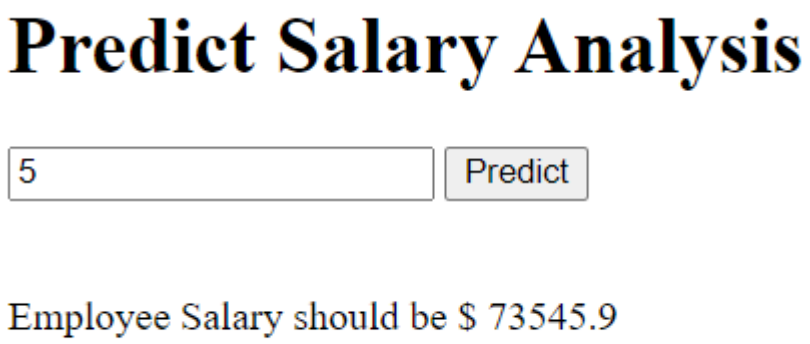
2. Saving model

```
"""## Importing the dataset"""

dataset = pd.read_csv('Salary_Data.csv')
X = dataset.iloc[:, :-1].values
y = dataset.iloc[:, -1].values

"""## Splitting the dataset into the Training set and Test set"""

from sklearn.model_selection import train_test_split
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size = 1/3, random_state = 0)

"""## Training the Simple Linear Regression model on the Training set"""

from sklearn.linear_model import LinearRegression
regressor = LinearRegression()
regressor.fit(X_train, y_train)

"""## Predicting the Test set results"""

y_pred = regressor.predict(X_test)


"""# Saving model to disk"""
pickle.dump(regressor, open('model.pkl','wb'))

"""# Loading model to compare the results"""
model = pickle.load(open('model.pkl','rb'))
```

3. Deploying model

```
* Serving Flask app 'app' (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: on
* Restarting with stat
* Debugger is active!
* Debugger PIN: 110-214-434
* Running on [redacted] (Press CTRL+C to quit)
```

4. App demo


Predict Salary Analysis
5
Predict
Employee Salary should be $ 73545.9