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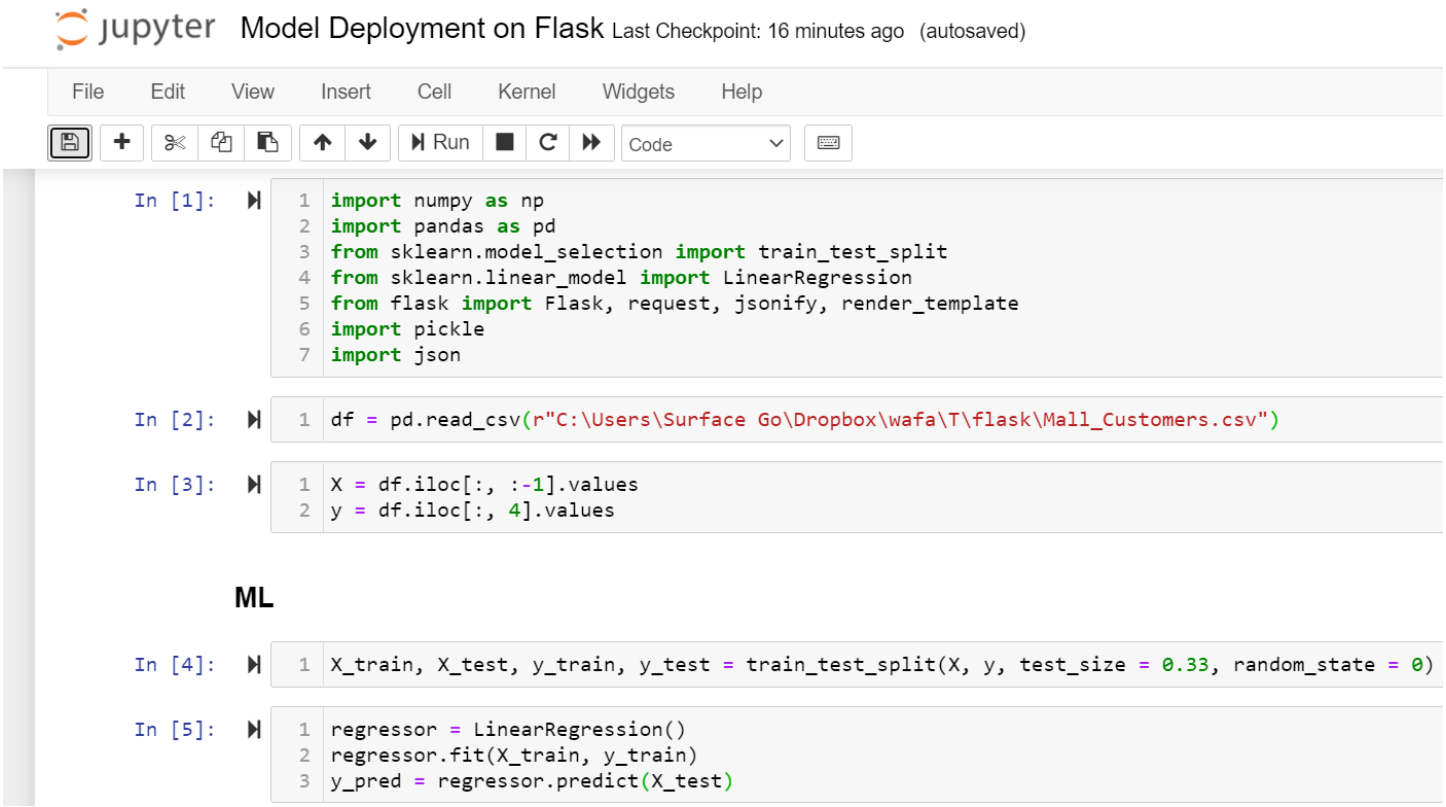
Submission to: Data Glacier

Deployment Model on Flask

Step 1:

Develop ML model for mall customers datasets using Linear Regression Model



Step 2: save trained model

In [5]:
```
regressor = LinearRegression()
regressor.fit(X_train, y_train)
y_pred = regressor.predict(X_test)
```

In [6]:
```
pickle.dump(regressor, open('model.pkl','wb'))
```

Step 3: Model deployment

In [8]:
```
app = Flask(__name__)
model = pickle.load(open('model.pkl','rb'))
```

In [9]:
```
@app.route("/")
def home():
    return render_template("index.html")
```

In [10]:
```

@app.route('/',methods=['POST'])
def predict():
    data = request.get_json(force=True)
    prediction = model.predict([[np.array(data['exp'])]])
    output = prediction[0]
    return jsonify(output)
```

In [*]:
```
if __name__ == '__main__':
    app.run(port=5000)
```

```
* Serving Flask app "__main__" (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: off
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

Step 4: python app in CMD

```
(base) C:\Users\Surface Go\Dropbox\wafa\T\flask>python app.py
 * 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 windowsapi reloader
 * Debugger is active!
 * Debugger PIN: 303-442-999
 * Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

Thank you