**ABOUT THE CODE:**

The Prediction\_model.py file consists of a Regularized Linear Regression model built from scratch. It uses the Data\_2021.csv file. The csv file consists of the features I created with the given data. The features that the data has are Month, Date, Day, and Year. The Regularized Linear Regression model is trained on these features. After the model is trained, the training parameters are saved and used while making predictions.

The flask app code is stored in the app.py file. The flask app is used to make predictions for any later dates. The app is given Month, Date, Day, and Year and it uses this data to give a predicted number of receipts.

**The Steps used to run the code.**

1. Open a terminal on the PC
2. Change the working directory to the folder where the codes are stored using the command

“**cd <directory\_where\_the\_code\_is>**”

1. Run the “app.py” file using the code

“python app.py”

1. It will give a URL. Click the URL or copy and paste the URL in a web browser.
2. Enter the values in the designated spaces. Make sure you are using capitalized versions of the month and Day you are giving as input.
3. Once you submit these the result will be displayed on the web browser.

**Note:**  Make sure you have python, flask, numpy and pandas installed.