VIRTUAL INTERNSHIP

DATA SCIENCE

LISP01

CLOUD AND API DEPLOYMENT

Marelly Escalante Zárate

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Content

I. INTRODUCTION

This document contains the detailed report of all steps carried out in order to understand how to realize of API Deployment on Heroku

I will use the IDE Visual Studio Code, Google Chrome web browser, Mozilla Firefox web browser, github repository, and python programming language as well as its different packages and libraries.

The files on https://github.com/marelly1/Deployment_Flask contain the model that I need to create de APP on Heroku

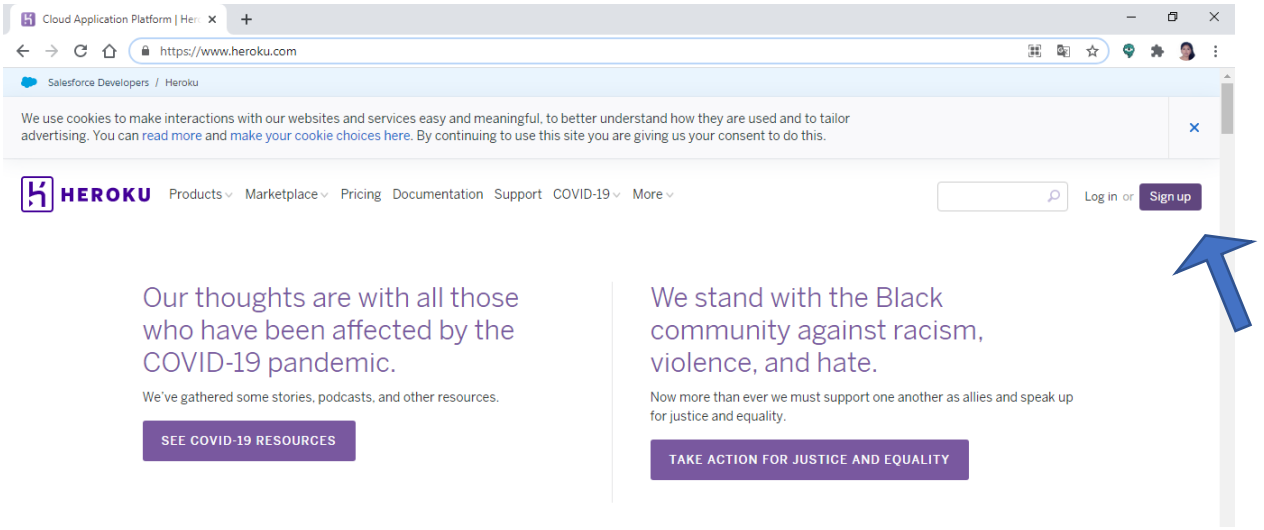
The following contents will be found in this document: APP Deployment on Hereku by github and APP Deployment on Heroku by visual studio code will allow us to reach the objective.

II. API DEPLOYMENT ON HEROKU BY GITHUB

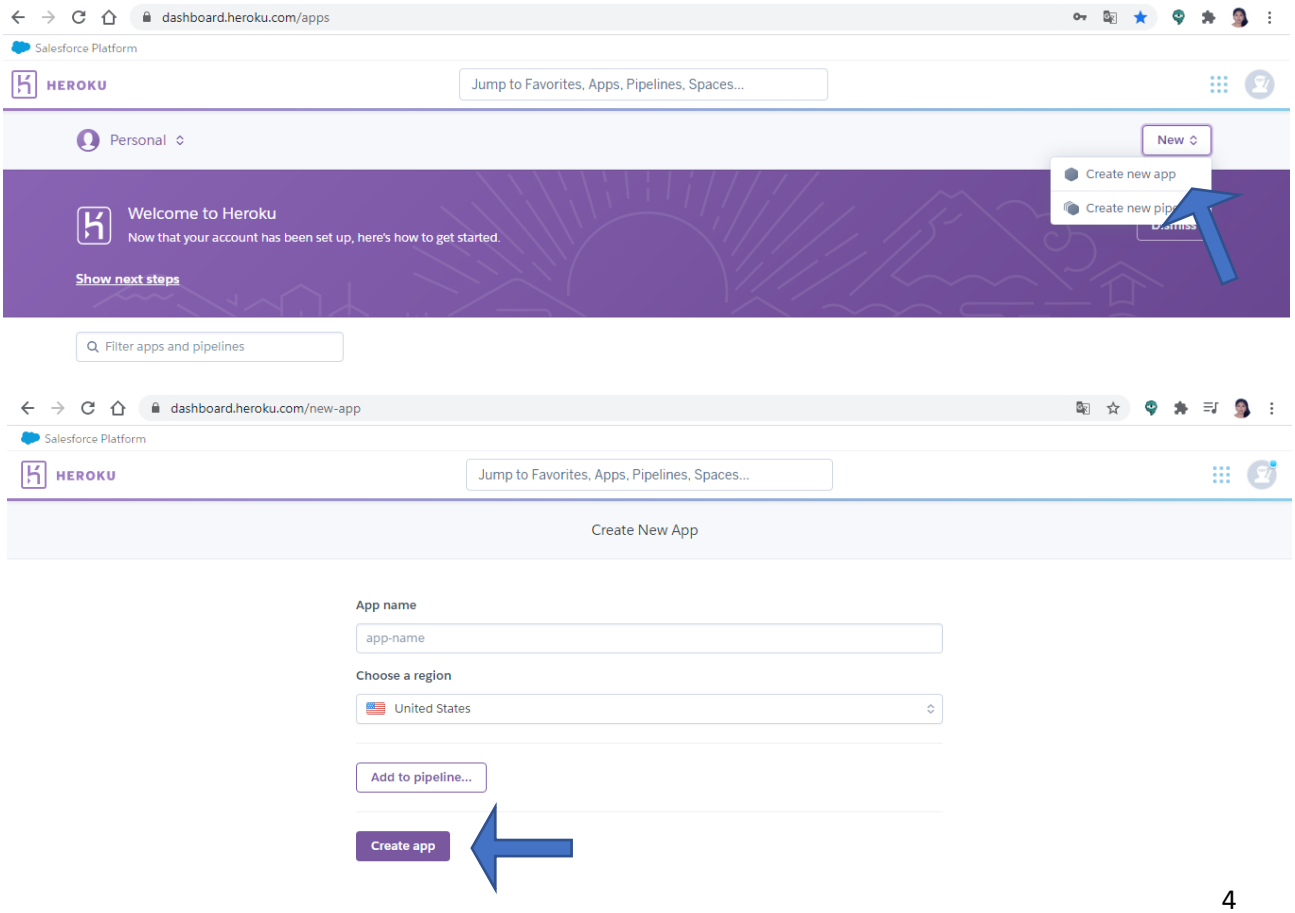
Heroku integrates with GitHub to make it easy to deploy code living on GitHub to apps running on Heroku. When GitHub integration is configured for a Heroku app, Heroku can automatically build and release (if the build is successful) pushes to the specified GitHub repo.

In this segment, I will use Google Chrome, Github repository

1. Use http://www.heroku.com and create an account in Heroku using Sign Up

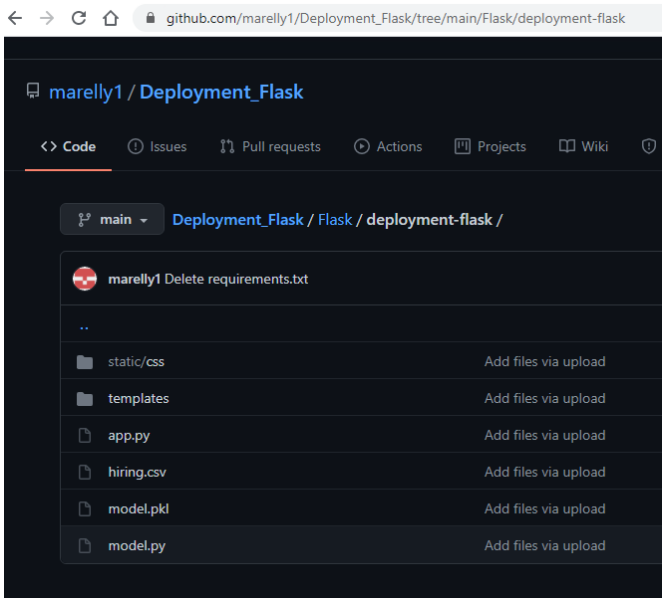


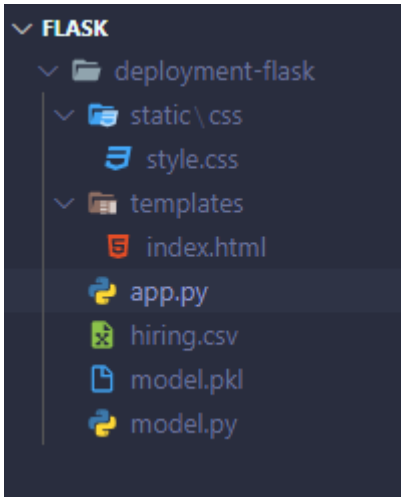
2. Create a new app in Heroku



3. To keep on the next step, we need to have a repository with the app that content our model

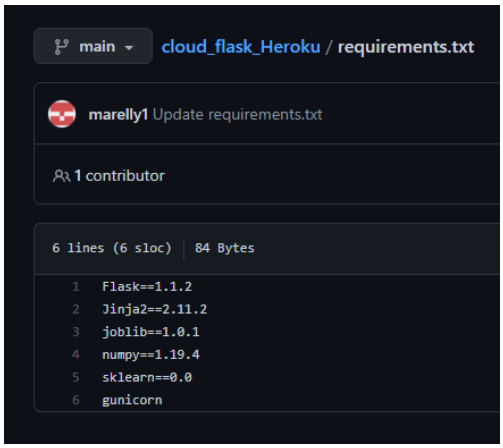
3.1. This is the content of my repo that contain my app



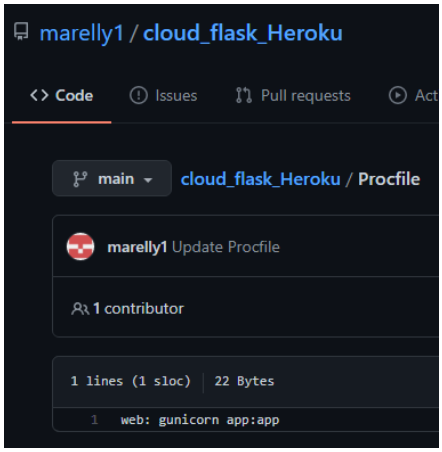


3.2. Create a new repository and save all folder and file necessary to run the app and as well we need to add two files:

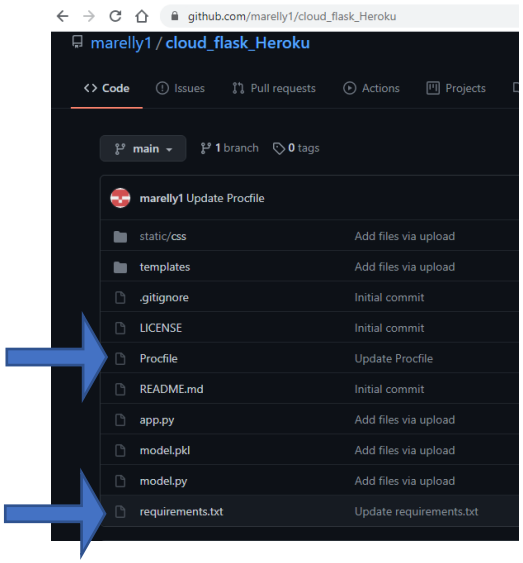
- You must install all the dependencies necessary in the file called “requirements.txt”, it will tell heroku that this project will require all these libraries to run the application correctly.

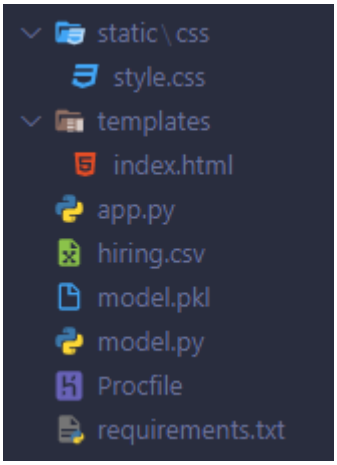


- Heroku requires “Procfile” to be present in the root directory of your application. It will tell Heroku how to run the application. Make sure it is a simple file with no extension.

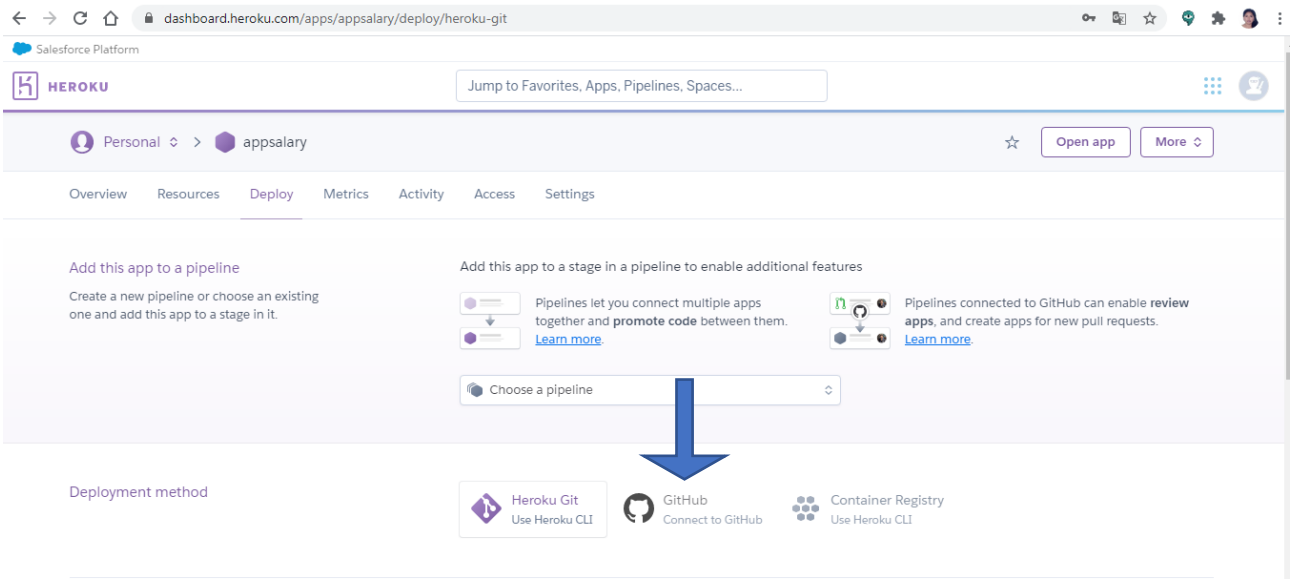


3.3. Make sure the Procfile file and the requirements.txt are present in the root directory of your application.

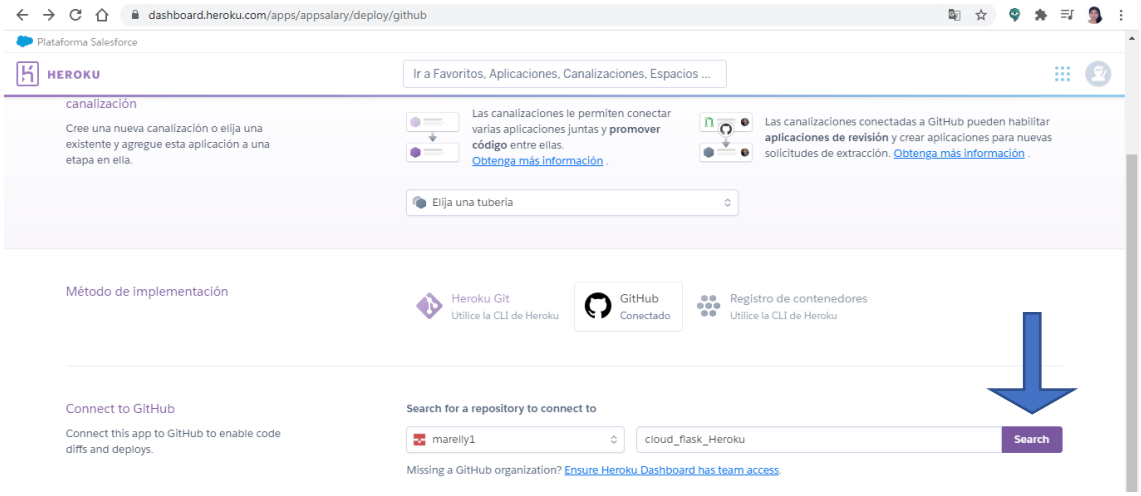




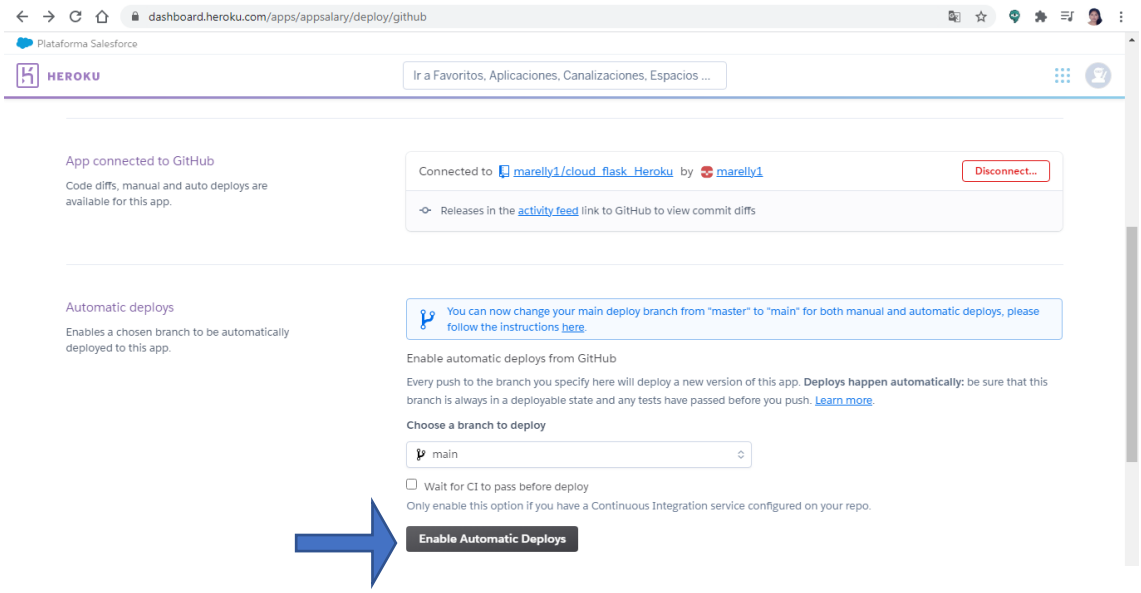
4. In Heroku Connect to GitHub



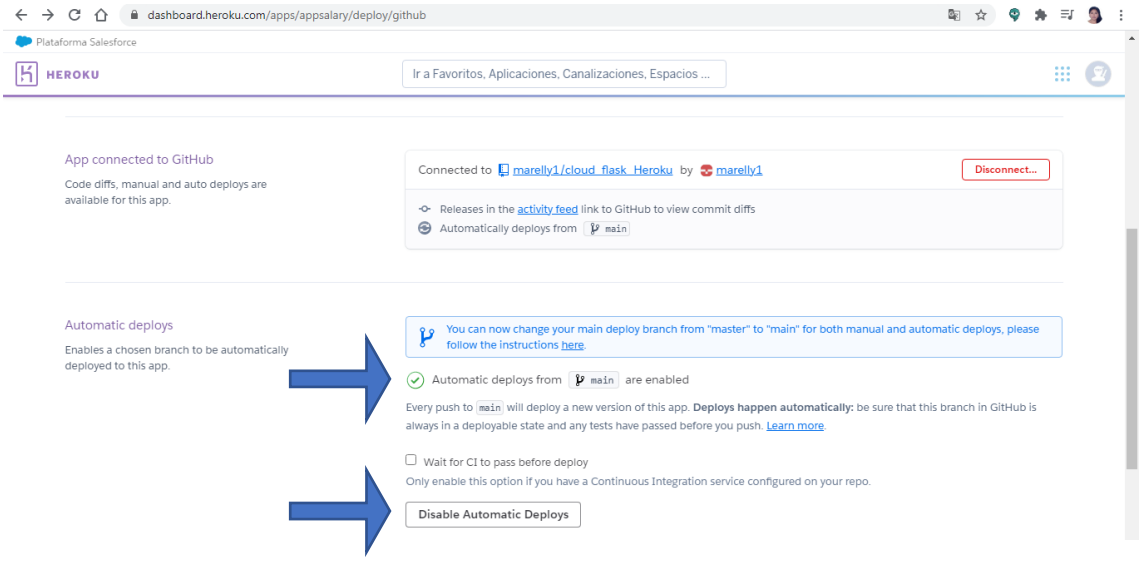
5. Write the repo-name and Search



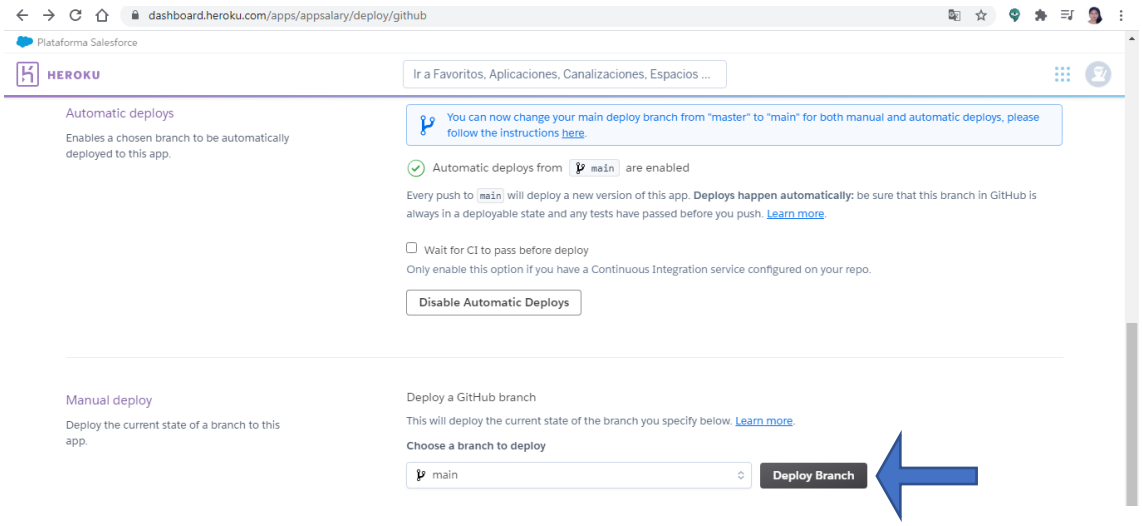
6. Click in Enable Automatic Deploys



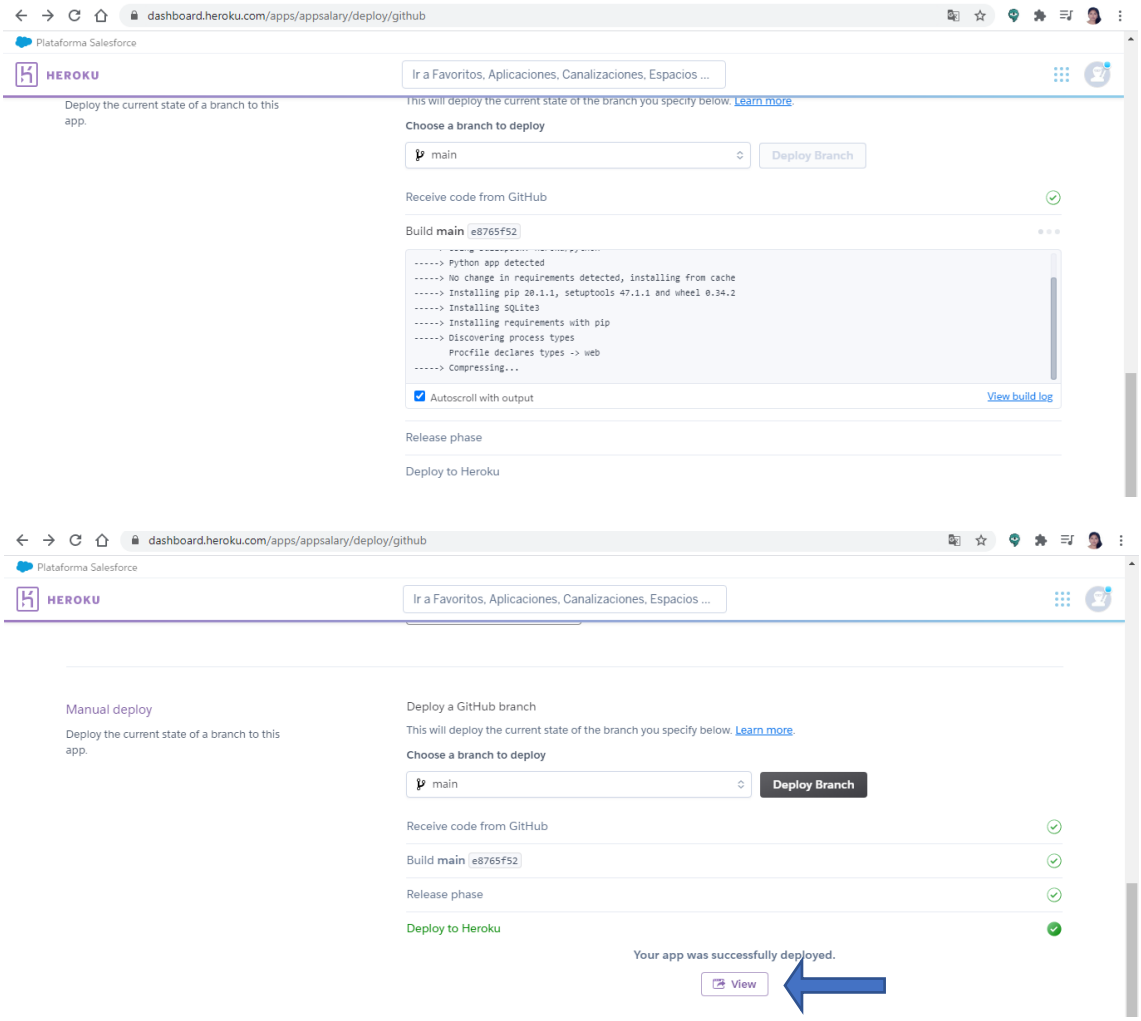
You can see both changes.



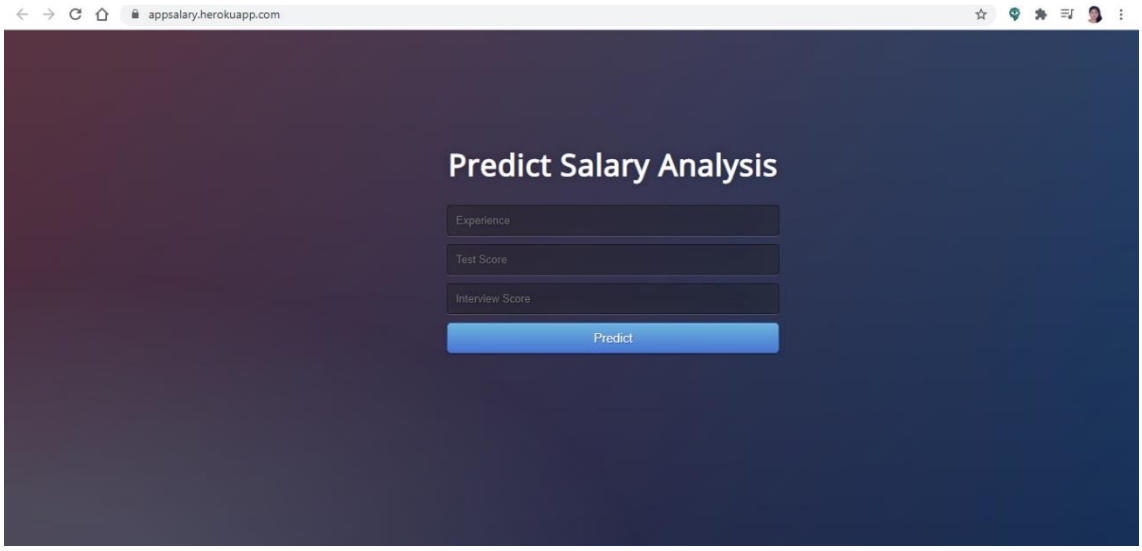
7. Click in Deploy Branch



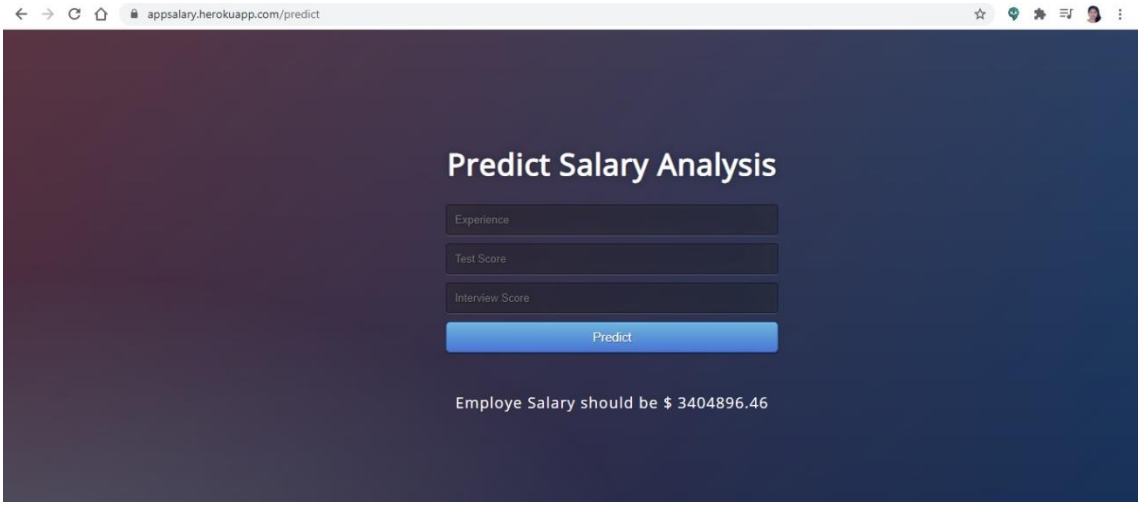
8. It starts to build then Heroku show the link to see our app



9. The web app of Predict Salary Analysis



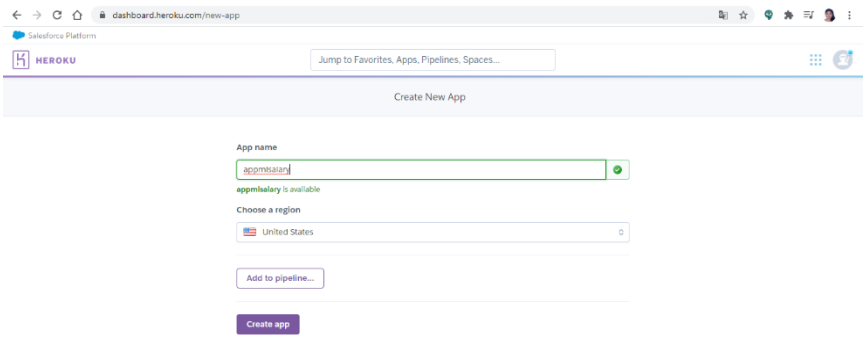
10. Testing the model Predict Salary Analysis



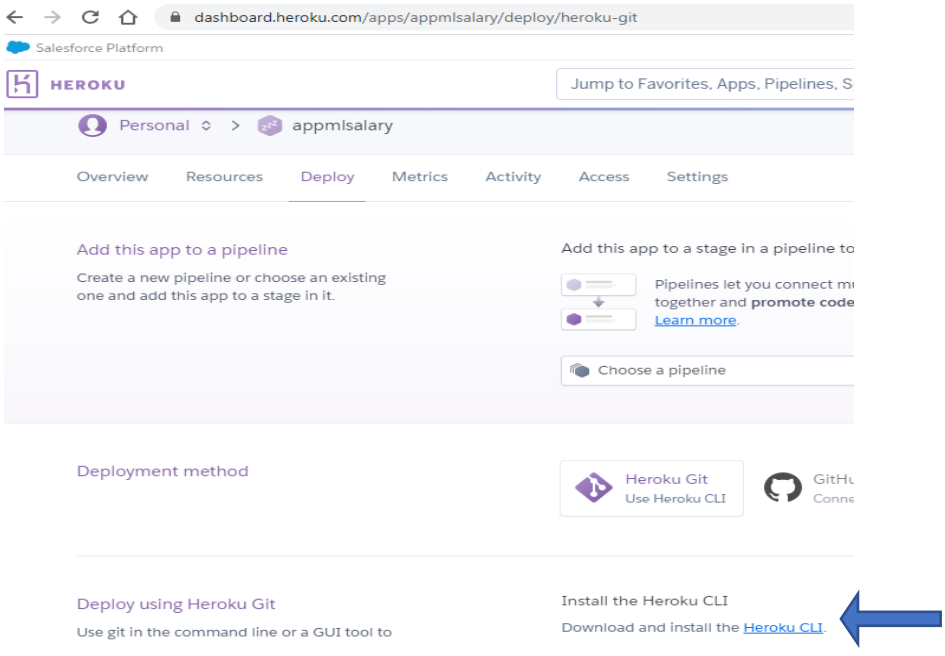
III. API DEPLOYMENT ON HEROKU BY HEROKU GIT

In this segment, i will use Visual Studio Code, Heroku Git, Google Chrome and Mozilla Firefox

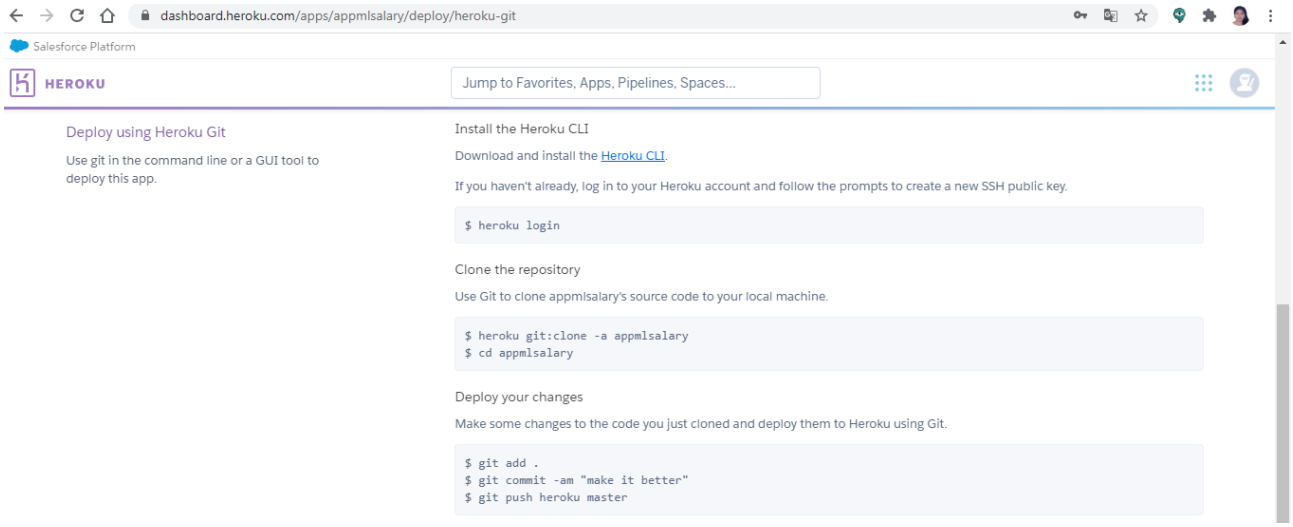
1. Create a new app in Heroku



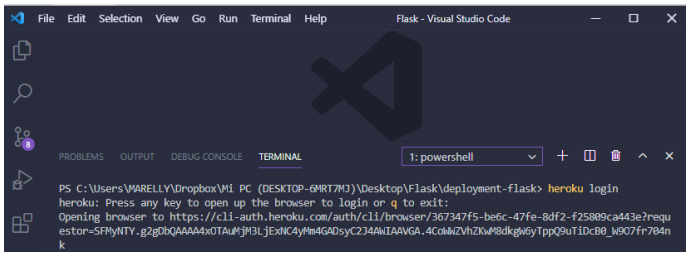
2. First of all, we need to install Heroku CLI heroku-x64

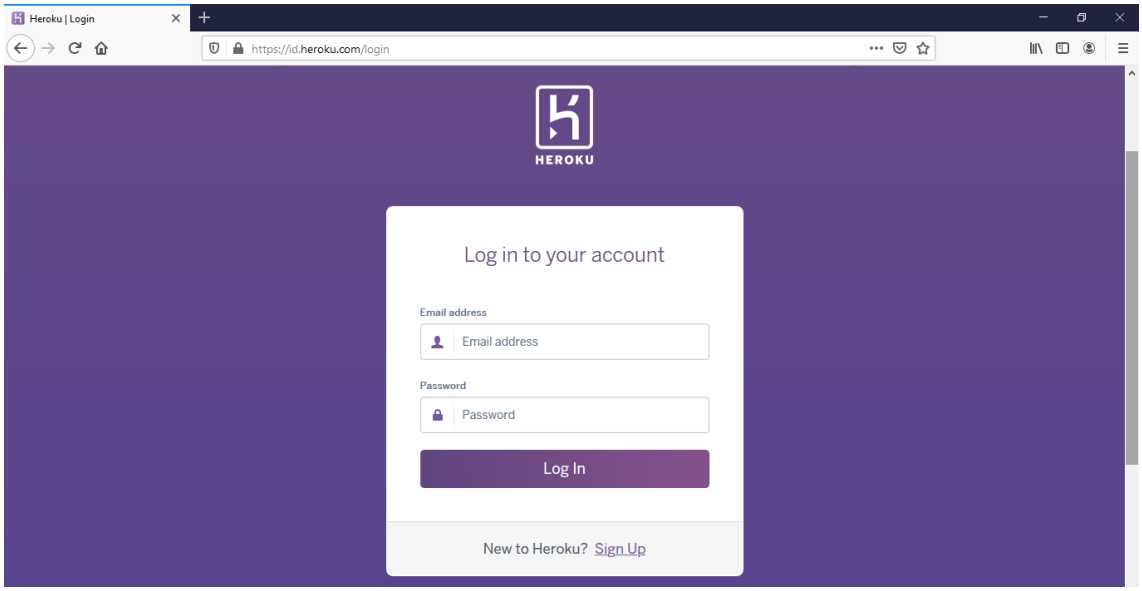


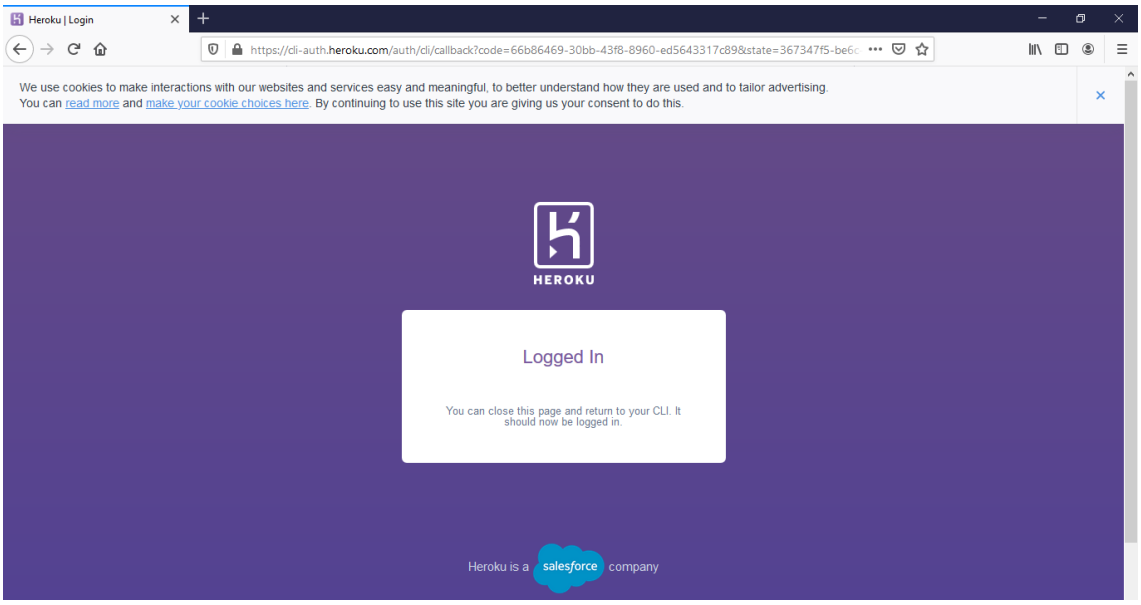
3. Follow the codes described by Heroku CLI step by step

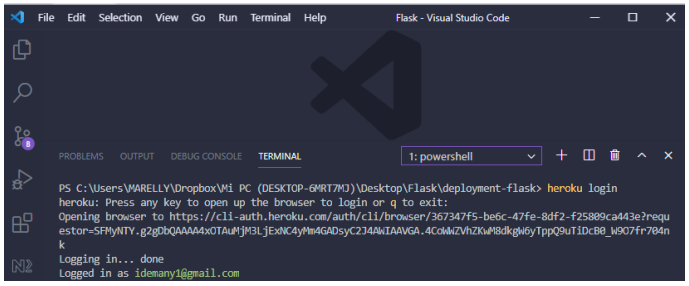


4. We need to login in Heroku

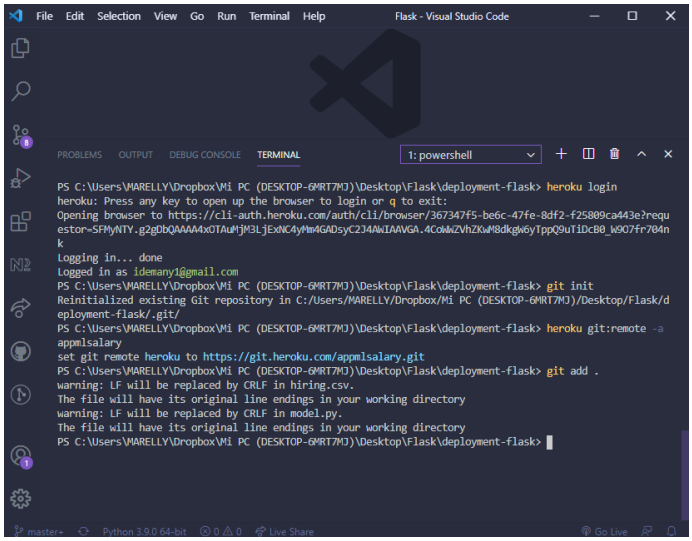


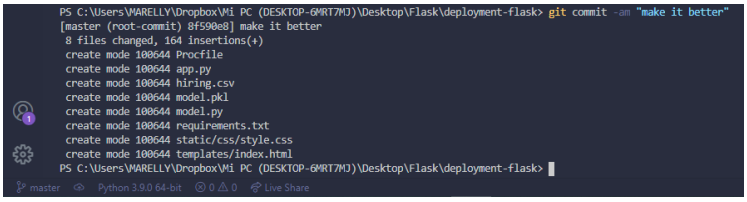


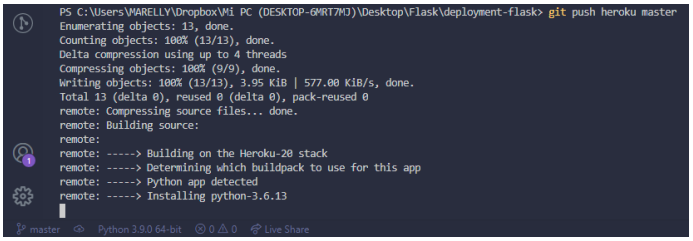


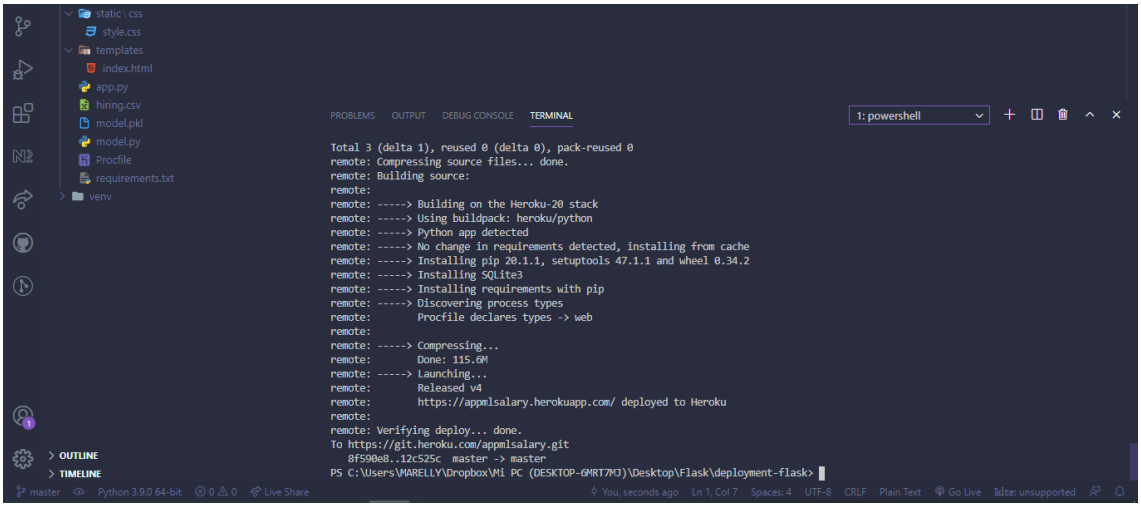


5. Clone the repository

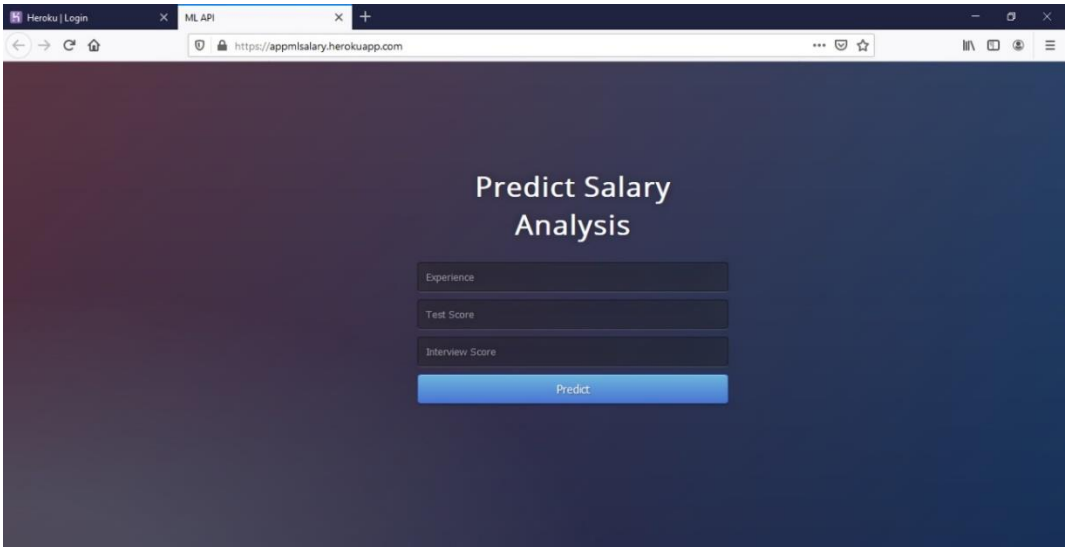




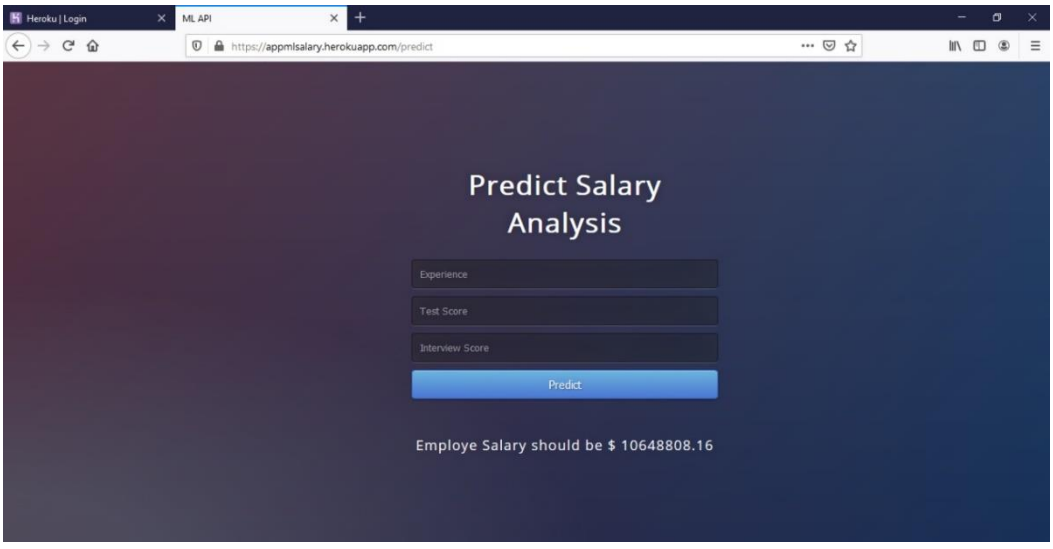




6. We click on deployed to Heroku https://appmlsalary.herokuapp.com



7. Testing Predict Salary Analysis



IV. CONCLUSION

In this document i show you step by step two simple ways to do deployment app web using Heroku, using Github repo and heroku CLI.