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Batch code - LISUM11: 30

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Submitted to – Data Glacier

Starting with python file. Where we are using toy dataset e.g., iris.csv

```
PS C:\Users\Deekshant\Downloads> c::; cd "c:\Users\Deekshant\Downloads"; & 'C:\Users\Deekshant\anaconda3\envs\downgrade\python.exe' 'c:\Users\Deekshant\.vscode\extensions\ms-python.python-2022.10.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '51831' '--' 'c:\Users\Deekshant\Downloads\demo\ML-MODEL-DEPLOYMENT-USING-FLASK-main\model.py'
```


	Sepal_Length	Sepal_Width	Petal_Length	Petal_Width	Class
0	5.1	3.5	1.4	0.2	Setosa
1	4.9	3.0	1.4	0.2	Setosa
2	4.7	3.2	1.3	0.2	Setosa
3	4.6	3.1	1.5	0.2	Setosa
4	5.0	3.6	1.4	0.2	Setosa

```
PS C:\Users\Deekshant\Downloads>
```


Here we are Instantiate and fit the model, then we save that model.

And then next file of .py file we have loaded the model and from HTML form we have been taking value of sepal length and width and petal length and width and calculate prediction. Which further deploy in Heroku. I have connected Heroku with my github account .

The screenshot shows the Heroku dashboard interface. At the top, there's a navigation bar with the Heroku logo and a search bar. Below this, the 'Deployment method' section is visible, showing options for Heroku Git, GitHub (which is connected), and Container Registry. The 'App connected to GitHub' section indicates that the app is connected to the repository 'deekshant007/Flas-templates' and that automatic deployments are enabled from the 'main' branch. A message suggests changing the main deployment branch from 'master' to 'main'. At the bottom, there's a checkbox for 'Wait for CI to pass before deploy' which is checked.

 main

Deploy Branch

Receive code from GitHub Build **main** 0c49c22e

```
-----> Building on the Heroku-20 stack
-----> Determining which buildpack to use for this app
-----> Python app detected
-----> No Python version was specified, using the buildpack default: python-3.10.6
      To use a different version, see: https://devcenter.heroku.com/articles/python-runtimes
-----> Installing python-3.10.6
-----> Installing pip 22.1.2, setuptools 60.10.0 and wheel 0.37.1
```

☒ Autoscroll with output[View build log](#)

Release phase

Deploy to Heroku

Flower Class Prediction

Flower Class Prediction

5

10

2

3

Predict

The flower species is ['Virginica']