Week 3: Deployment on Flask

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Step 1: Collect a Dataset (simple Data) i.e., Kaggle. In my Case, I have Collected Salary Dataset for predicting the Salary based on Number of Years of Experience (Linear Regression Model).

```
In [1]: import pandas as pd
In [2]: ds=pd.read_csv('Salary_Data.csv')
Out[2]:
YearsExperience Salary
      0 1.1 39343.0
                 1.3 46205.0
      2 1.5 37731.0
                2.0 43525.0
      4 2.2 39891.0
                 2.9 56642.0
      6 3.0 60150.0
                 3.2 54445.0
      8 3.2 64445.0
                3.7 57189.0
      10 3.9 63218.0
               4.0 56957.0
      12
                4.1 57081.0
      14 4.5 61111.0
       15
                 4.9 67938.0
      16
          5.1 66029.0
```

Step 2: Import the Data Using Suitable Libraries for the analysis (preferably pandas, in this case is Flask, Requests and Numpy).

Step 3: Write a basic Code to see if the Flask and the required Libraires are Installed Properly.

1.Write the Code

```
from flask import Flask

app=Flask(__name__)

@app.route('/')
def home():
return 'Home World!'

app.run(port=5000)
```

2.Run the Code Using Command Prompt or Terminal.

```
Microsoft Windows [Version 10.0.19043.1706]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Suhas\PycharmProjects\flaskdeployment>python 11.py

* Serving Flask app '11' (lazy loading)

* Environment: production

WARNING: This is a development server. Do not use it in a production deployment.

Use a production WSGI server instead.

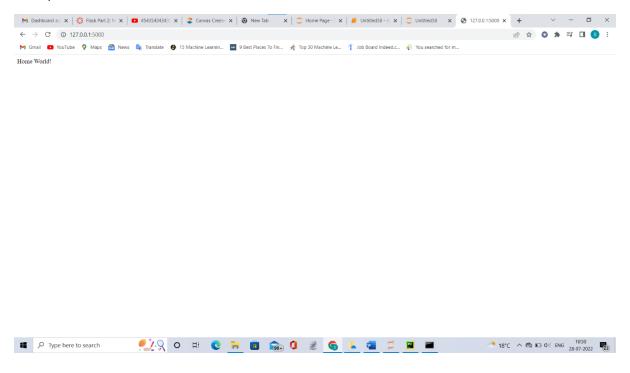
* Debug mode: off

* Running on http://127.0.0.1:5000 (Press CTRL+C to quit)

127.0.0.1 - [28/Jul/2022 10:46:05] "GET /HTTP/1.1" 200 -

127.0.0.1 - [28/Jul/2022 10:46:06] "GET /favicon.ico HTTP/1.1" 404 -
```

3.Output



Step 4: Well, the Code is Correct and seems to be working Fine. Now write Code to Load the Data and the required Libraries should be installed.

Step 5: Write a HTML Code or the pre-written Code given in Instruction Videos (which has been Modified based on the Requirements)

Step 6: Note (No Stylers were used here as the requirements were simple), Now run the Python Code to see the output.

