Assignment -1

Registration Page Assignment

Assignment Date	19 September 2022
Student Name	S.Mohammed Rafeek
Student Roll Number	621319104030
Maximum Marks	2 Marks

Question-1:

Create registration page in html with username, email, and phone number and by using POST method display it in next html page.

Solution:

app.py

```
from flask import *;
import os

app = Flask(__name__)


@app.route('/', methods=['GET', 'POST'])
def home():
   if request.method == 'POST':
      name = request.form["name"]
      email= request.form["email"]
      mobile = request.form["mobile"]
      return redirect(url_for('result', name=name, email=email, mobile=mobile))
   return render_template('index.html')


@app.route("/result", methods=['GET', 'POST'])
def result():
   name = request.form.get('name')
   email= request.form.get('email')
   mobile = request.form.get('mobile')
   return render_template('result.html', name=name, email=email, mobile=mobile)

if __name__ == "__main__":
 app.run(debug=True)
```

Output:

Sign up

Name : Mohammed Rafeek

Email : rafeek18812002@gmail.com

Mobile : 1234567890

Submit

Name : Mohammed Rafeek

Email : rafeek18812002@gmail.com

Mobile : 1234567890

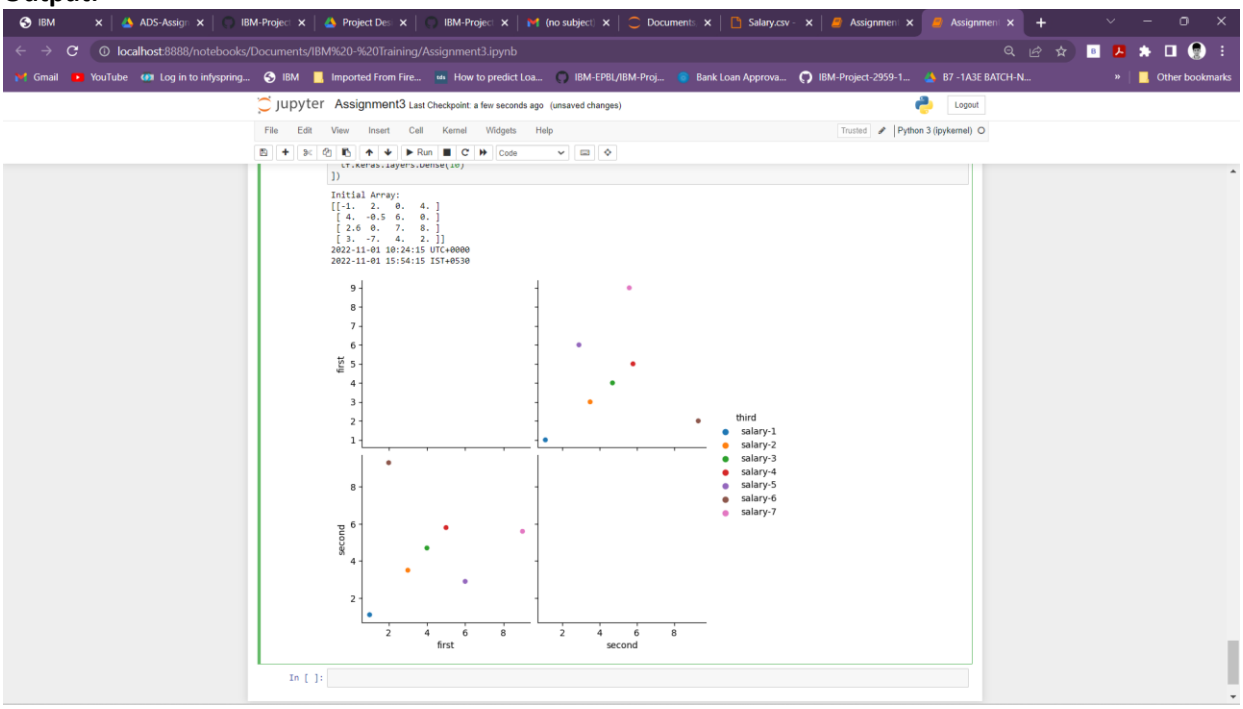
Question-2:

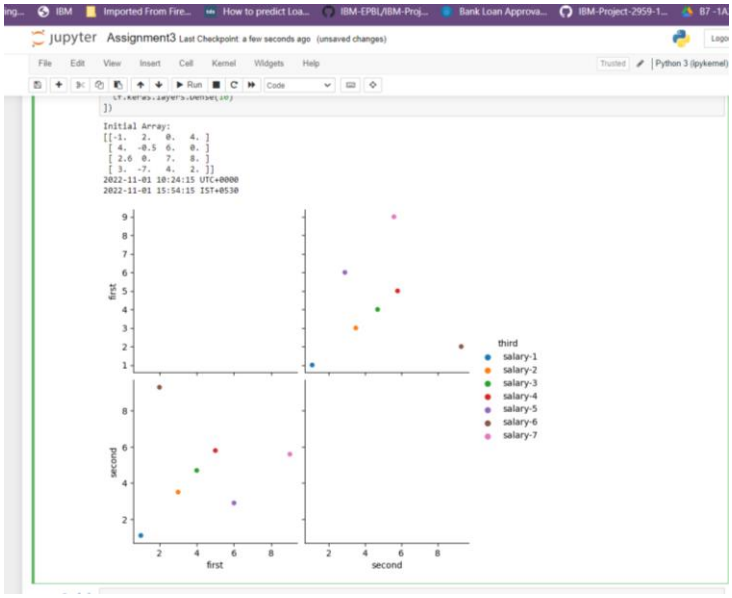
2. Develop a flask program which should contain at least 5 packages used from pypi.org.

Solution:

```
import numpy as np
import pandas as pd
import seaborn as sns


df = pd.read_csv('Salary.csv')
arr = np.array([[-1, 2, 0, 4],
                [4, -0.5, 6, 0],
                [2.6, 0, 7, 8],
                [3, -7, 4, 2.0]])
print("Initial Array: ")
print(arr)

sns.pairplot(df,hue="third",height=3)

from pytz import timezone
from datetime import datetime
format = "%Y-%m-%d %H:%M:%S %Z%z"

now_utc = datetime.now(timezone('UTC'))
print(now_utc.strftime(format))

now_asia = now_utc.astimezone(timezone('Asia/Kolkata'))
print(now_asia.strftime(format))

import tensorflow as tf
mnist = tf.keras.datasets.mnist
(x_train, y_train), (x_test, y_test) = mnist.load_data()
x_train, x_test = x_train / 255.0, x_test / 255.0
model = tf.keras.models.Sequential([
  tf.keras.layers.Flatten(input_shape=(28, 28)),
  tf.keras.layers.Dense(128, activation='relu'),
  tf.keras.layers.Dropout(0.2),
  tf.keras.layers.Dense(10)
])
```

Output:


jupyter Assignment3 Last Checkpoint: a few seconds ago (unsaved changes)
Initial Array:
[[-1. 2. 0. 4.]
[4. -0.5 6. 0.]
[2.6 0. 7. 8.]
[3. -7. 4. 2.]]
2022-11-01 10:24:15 UTC+0000
2022-11-01 15:54:15 IST+0530
first
second
third
salary-1
salary-2
salary-3
salary-4
salary-5
salary-6
salary-7


jupyter Assignment3 Last Checkpoint: a few seconds ago (unsaved changes)
Initial Array:
[[-1. 2. 0. 4.]
[4. -0.5 6. 0.]
[2.6 0. 7. 8.]
[3. -7. 4. 2.]]
2022-11-01 10:24:15 UTC+0000
2022-11-01 15:54:15 IST+0530
first
second
third
salary-1
salary-2
salary-3
salary-4
salary-5
salary-6
salary-7