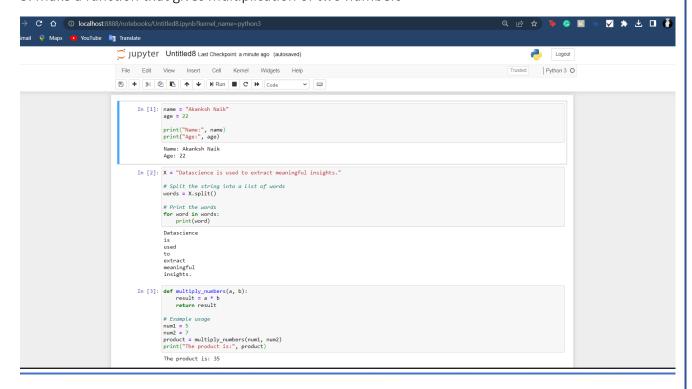
AKANKSH NAIK

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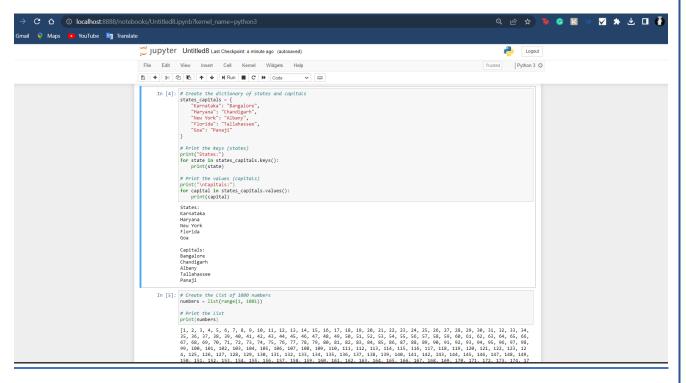
APPLIED DATA SCIENCE

Assignment 1

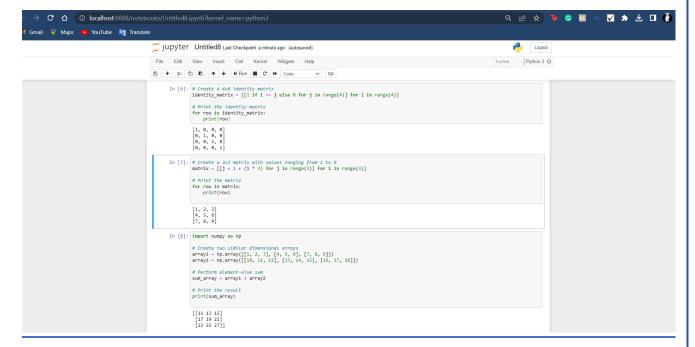
- 1. Assign your Name to variable name and Age to variable age. Make a Python program that prints your name and age.
- 2. X="Datascience is used to extract meaningful insights." Split the string
- 3. Make a function that gives multiplication of two numbers



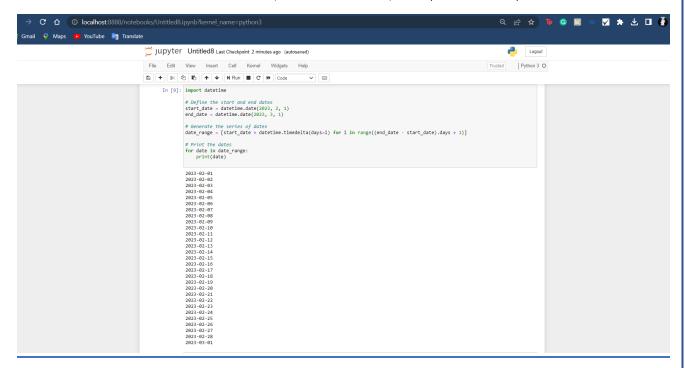
- 4. Create a Dictionary of 5 States with their capitals. also print the keys and values.
- 5. Create a list of 1000 numbers using range function.



- 6. Create an identity matrix of dimension 4 by 4
- 7. Create a 3x3 matrix with values ranging from 1 to 9
- 8. Create 2 similar dimensional array and perform sum on them.



9. Generate the series of dates from 1st Feb, 2023 to 1st March, 2023 (both inclusive)



10. Given a dictionary, convert it into corresponding dataframe and display it dictionary = {'Brand': ['Maruti', 'Renault', 'Hyndai'], 'Sales' : [250, 200, 240]}

```
In [10]: import pandas as pd

# Given dictionary
dictionary - ('Brand: 'Maruti', 'Renault', 'Hyundai'], 'Sales': [250, 200, 240])

# Convert dictionary to DateFrame
df - pd.DataFrame(dictionary)

# Display the DateFrame
df

Out[10]:

Brand Sales

0 Mand 250
1 Renault 200
2 Hyundai 240

In []:
```