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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

```
#ques2
x="Datascience is used to extract meaningful insights"
print(x.split())

> 0.0s

Python

['Datascience', 'is', 'used', 'to', 'extract', 'meaningful', 'insights']
```

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.

```
#ques4
state_capital={
    "Uttar Pradesh":"Lucknow",
    "Karnatka":"Bengaluru",
    "Tamil Nadu":"Chennai",
    "Bihar":"Patna",
    "Maharashtra":"Mumbai"
}

for keys, value in state_capital.items():
    print(keys + ":" + value)

Python

Uttar Pradesh:Lucknow
Karnatka:Bengaluru
Tamil Nadu:Chennai
Bihar:Patna
Maharashtra::Mumbai
```

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.

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]}

