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In [1]: Name ="Tungala Saarvari"
Age = "20"
print(Name)
print(Age)

Tungala Saarvari
20

In [2]: x = "Datascience is used to extract meaningful insights."
print(x.split())

['Datascience', 'is', 'used', 'to', 'extract', 'meaningful', 'insights.

In [3]: def multiplication(n1,n2):
        product = n1*n2
        return product
res=multiplication(17,10)
print(res)

170

In [4]: Dictionary = {'Andhra Pradesh' : 'Amaravati', 'Tamil Nadu' : 'Chennai', 'Odisha': 'Bhubaneswar',
'Maharastra': 'Mumbai', 'Goa': 'Panaji'}
print(Dictionary)
print(Dictionary.keys())
print(Dictionary.values())

{'Andhra Pradesh': 'Amaravati', 'Tamil Nadu': 'Chennai', 'Odisha': 'Bhubaneswar', 'Maharastra': 'Mumbai', 'Goa': 'Panaji'}
dict_keys(['Andhra Pradesh', 'Tamil Nadu', 'Odisha', 'Maharastra', 'Goa'])
dict_values(['Amaravati', 'Chennai', 'Bhubaneswar', 'Mumbai', 'Panaji'])

In [5]: def createList(n1, n2):
        return list(range(n1, n2+1))
n1, n2=1, 1000
print(createList(1,1000))

[1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50,
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7, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 93
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In [6]: import numpy as np
dim = 4
identity_matrix=np.identity(dim, dtype="int")
print(identity_matrix)

[[1 0 0 0]
[0 1 0 0]
[0 0 1 0]
[0 0 0 1]]

In [7]: import numpy as np
x=np.arange(1,10).reshape(3,3)
print(x)

[[1 2 3]
[4 5 6]
[7 8 9]]

In [8]: import numpy as np
arr1=[2, 3, 4, 5]
arr2=[6, 7, 8, 9]
sum = np.add(arr1, arr2)
print(sum)

[ 8 10 12 14]

In [9]: from datetime import datetime
import pandas as pd
start_date=datetime.strptime("2023-02-01", "%Y-%m-%d")
end_date=datetime.strptime("2023-03-01", "%Y-%m-%d")
D='D'
date_list = pd.date_range(start_date, end_date, freq=D)
print(f"Creating list of dates starting from{start_date} to {end_date}")
print(date_list)

Creating list of dates starting from2023-02-01 00:00:00 to 2023-03-01 00:00:00
DatetimeIndex(['2023-02-01', '2023-02-02', '2023-02-03', '2023-02-04',
               '2023-02-05', '2023-02-06', '2023-02-07', '2023-02-08',
               '2023-02-09', '2023-02-10', '2023-02-11', '2023-02-12',
               '2023-02-13', '2023-02-14', '2023-02-15', '2023-02-16',
               '2023-02-17', '2023-02-18', '2023-02-19', '2023-02-20',
               '2023-02-21', '2023-02-22', '2023-02-23', '2023-02-24',
               '2023-02-25', '2023-02-26', '2023-02-27', '2023-02-28',
               '2023-03-01'],
              dtype='datetime64[ns]', freq='D')

In [10]: import pandas as pd
data={'Brand' : ['Maruti', 'Renault', 'Hyndai'], 'Sales' : ['250', '200', '240']}
dataframe = pd.DataFrame.from_dict(data)
print(dataframe)

   Brand Sales
0  Maruti   250
1  Renault   200
2  Hyndai   240

In [ ]:
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