```
Ipynb Viewer Hide Code
                                               File
 s = "Hi there Sam!"
 s.split()
['Hi', 'there', 'Sam!']
 txt = "The diameter of Earth is {diameter}Kilometers"
 print(txt.format(diameter = 12742))
 The diameter of Earth is 12742Kilometers
 import numpy as np
 array=np.zeros(10)
 print("An array of 10 zeros:")
 print(array)
 An array of 10 zeros:
 [0. 0. 0. 0. 0. 0. 0. 0. 0. 0.]
 import numpy as np
 array=np.ones(10)*5
 print("An array of 10 zeros:")
 print(array)
 An array of 10 zeros:
 [5. 5. 5. 5. 5. 5. 5. 5. 5. 5.]
 import numpy as np
 array=np.arange(20,35,2)
 print("Array of all the even integers from 30 to 70")
 print(array)
 Array of all the even integers from 30 to 70
 [20 22 24 26 28 30 32 34]
 import numpy as np
```

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import numpy as np
 array=np.arange(20,35,2)
 print("Array of all the even integers from 30 to 70")
 print(array)
 Array of all the even integers from 30 to 70
 [20 22 24 26 28 30 32 34]
 import numpy as np
 x = np.arange(0,9).reshape(3,3)
 print("conacatenated string is",x)
 conacatenated string is [[0 1 2]
  [3 4 5]
  [6 7 8]]
 import numpy as np
 a = np.array([1,2,3])
 b = np.array([4,5,6])
 print("conacatenated string is")
 np.concatenate((a,b), axis=0)
 conacatenated string is
array([1, 2, 3, 4, 5, 6])
 # Importing Pandas to create DataFrame
```

```
# Importing Pandas to create DataFrame
import pandas as pd
data = [1,2,3]
# Creating Empty DataFrame and Storing it in variable
df = pd.DataFrame(data,columns = [''])
# Printing Empty DataFrame
print(df)
```

```
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# Importing Pandas to create DataFrame
import pandas as pd
data = [1, 2, 3]
# Creating Empty DataFrame and Storing it in variable
df = pd.DataFrame(data,columns = [''])
# Printing Empty DataFrame
print(df)
0 1
1 2
2 3
import datetime
import pandas as pd
# initializing date
test_date = datetime.datetime.strptime("01-1-2023", "
# initializing K
K = 41
date_generated = pd.date_range(test_date, periods=K)
print(date_generated.strftime("%d-%m-%Y"))
Index(['01-01-2023', '02-01-2023', '03-01-2023', '04-
       '06-01-2023', '07-01-2023', '08-01-2023', '09-
       '11-01-2023', '12-01-2023', '13-01-2023', '14-
       '16-01-2023', '17-01-2023', '18-01-2023', '19-
       '21-01-2023', '22-01-2023', '23-01-2023', '24-
       '26-01-2023', '27-01-2023', '28-01-2023', '29-
       '31-01-2023', '01-02-2023', '02-02-2023',
                                                 '03-
       '05-02-2023', '06-02-2023', '07-02-2023', '08-
       '10-02-2023'],
      dtype='object')
```

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       '06-01-2023', '07-01-2023', '08-01-2023', '09-
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       '21-01-2023', '22-01-2023', '23-01-2023', '24-
       '26-01-2023', '27-01-2023', '28-01-2023', '29-
       '31-01-2023', '01-02-2023', '02-02-2023', '03-
       '05-02-2023', '06-02-2023', '07-02-2023', '08-
       '10-02-2023'],
      dtype='object')
import pandas as pd
# List1
lists = [[1, 'aaa', 22], [2, 'bbb', 25],
      [3, 'ccc', 24],]
# creating df object with columns specified
df = pd.DataFrame(lists, columns =['', '',''])
print(df)
0 1 aaa 22
1 2 bbb 25
2 3 ccc 24
```