Aim: Write a Python code to create data frames and various operations on it.

1. Create a empty DataFrame

Code:

```
# import pandas as pd and Create a empty DataFrame
df = pd.DataFrame()
print(df)
```

Output:

```
Empty DataFrame
Columns: []
Index: []
```

2. Create a DataFrame from Lists

Code:

```
#Create a DataFrame from Lists
data = [15,16,17,18,19,20]
df = pd.DataFrame(data)
print(df)
```

Output:

```
    0
0  15
1  16
2  17
3  18
4  19
5  20
```

3. Create a DataFrame from Lists

Code:

```
#Create a DataFrame from Lists
data = [['Atharva','03'],['Upendra',13],['Divisha',14]]
df = pd.DataFrame(data,columns=['Name','Age'])
print(df)
```

Output:

```
      Name Age
0  Atharva  03
1  Upendra  13
2  Divisha  14
```

4. Create a DataFrame from two Series

Code:

```
# Create a DataFrame from two Series:
import pandas as pd
data = {"calories": [420, 380, 390],"duration": [50, 40, 45]}
data_p = pd.DataFrame(data)
print(data_p)
```

Output:

```
   calories  duration
0       420        50
1       380        40
2       390        45
```

Conclusion:
We have successfully performed the aim of the experiment on the topic of data frame.