```python
import pandas as pd

# Creating the DataFrame
data = {
    'Employee': ['John', 'Alex', 'Riya', 'Steve'],
    'Department': ['HR', 'HR', 'Finance', 'Finance'],
    'Salary': [60000, 50000, 70000, 70000],
    'Age': [30, 25, 28, 32]
}
df = pd.DataFrame(data)

# a) Display the first two rows
print("First two rows:")
print(df.head(2))

# b) Add a new column 'Experience' with values [5, 3, 7, 8]
df['Experience'] = [5, 3, 7, 8]
print("\nDataFrame with Experience column:")
print(df)

# c) Find the average salary
average_salary = df['Salary'].mean()
print("\nAverage Salary of all employees:", average_salary)
```

```
First two rows:
  Employee Department  Salary  Age
0     John         HR   60000   30
1     Alex         HR   50000   25

DataFrame with Experience column:
  Employee Department  Salary  Age  Experience
0     John         HR   60000   30           5
1     Alex         HR   50000   25           3
2     Riya    Finance   70000   28           7
3    Steve    Finance   70000   32           8

Average Salary of all employees: 62500.0
```

```python
# Categories and monthly expense data
categories = ['Groceries', 'Utilities', 'Rent', 'Transportation',
'Entertainment']
expenses = [500, 200, 1200, 300, 150]

# Creating a Series
expense_series = pd.Series(expenses, index=categories)
print("\nMonthly Expenses:")
print(expense_series)
```

```
Monthly Expenses:
Groceries          500
```

```
Utilities          200
Rent              1200
Transportation     300
Entertainment      150
dtype: int64
```

```
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```
# Months of the year
months = ['January', 'February', 'March', 'April', 'May', 'June',
          'July', 'August', 'September', 'October', 'November',
'December']

# Energy usage data
electricity_usage = [310, 320, 310, 330, 340, 370, 380, 360, 350, 360,
320, 330]
gas_usage = [20, 18, 16, 15, 12, 10, 8, 8, 12, 15, 17, 19]

# Creating Series
electricity_series = pd.Series(electricity_usage, index=months)
gas_series = pd.Series(gas_usage, index=months)

print("\nElectricity Usage (kWh):")
print(electricity_series)

print("\nGas Usage (therms):")
print(gas_series)
```

```
Electricity Usage (kWh):
January      310
February     320
March        310
April        330
```

```
May           340
June          370
July          380
August        360
September     350
October       360
November      320
December      330
dtype: int64

Gas Usage (therms):
January       20
February      18
March         16
April         15
May           12
June          10
July           8
August         8
September     12
October       15
November      17
December      19
dtype: int64

# Revenue data
revenue = [5000, 5200, 4800, 5400, 5600, 5800, 6100, 6200, 6500, 6900,
7000, 6900]

# Creating Series
revenue_series = pd.Series(revenue, index=months)
print("\nMonthly Website Revenue (USD):")
print(revenue_series)


Monthly Website Revenue (USD):
January       5000
February      5200
March         4800
April         5400
May           5600
June          5800
July          6100
August        6200
September     6500
October       6900
November      7000
December      6900
dtype: int64
```