Question 1: Create a Series

Problem:

Create a Pandas Series with the elements 10, 20, 30, 40, 50. Print the Series.

Solution:

```
import pandas as pd

series = pd.Series([10, 20, 30, 40, 50])
print(series)
```

Expected Output:

```
0 10
1 20
2 30
3 40
4 50
dtype: int64
```

Question 2: Create a DataFrame

Problem:

Create a DataFrame with the following data:

- Name: ['John', 'Anna', 'Peter']
- Age: [28, 24, 35]
- City: ['New York', 'London', 'Berlin']

Print the DataFrame.

Solution:

Expected Output:

```
Name Age City
O John 28 New York
Anna 24 London
Peter 35 Berlin
```

Question 3: Select a Column

Problem:

From the DataFrame below, select and print the City column.

Solution:

```
print(df['City'])
```

Expected Output:

```
0 New York
1 London
2 Berlin
Name: City, dtype: object
```

Question 4: Filter Rows

Problem:

Using the DataFrame below, filter the rows where the Age is greater than 30.

Solution:

```
filtered_df = df[df['Age'] > 30]
print(filtered_df)
```

Expected Output:

```
Name Age City
2 Peter 35 Berlin
```

Question 5: Handle Missing Data

Problem:

Given the following DataFrame with missing data, fill the missing values with 'Unknown'.

Solution:

```
df_filled = df.fillna('Unknown')
print(df_filled)
```

Expected Output:

```
Name Age City
O John 28 New York
Unknown 24 London
Peter Unknown Unknown
```