In [1]:
```python
file = open("example.txt", "w")
```

In [2]:
```python
file.write("Data Cleaning and Preparation\n")
file.write("Data Wrangling\n")
file.write("Data Visualization\n")
file.write("Timeseries\n")

file.close()
```

In [3]:
```python
file = open("example.txt", "r")
content = file.read()
print("File Content:")
print(content)
file.close()
```

```
File Content:
Data Cleaning and Preparation
Data Wrangling
Data Visualization
Timeseries
```

In [4]:
```python
file = open("example.txt", "r")

content = file.read()
print("Using read():")
print(content)
file.close()
```

```
Using read():
Data Cleaning and Preparation
Data Wrangling
Data Visualization
Timeseries
```

In [6]:
```python
file = open("example.txt", "r")
print("Using readline():")
line = file.readline()
while line:
    print(line.strip())
    line = file.readline()
file.close()
```

```
Using readline():
Data Cleaning and Preparation
Data Wrangling
Data Visualization
Timeseries
```

In [7]:
```python
file = open("example.txt", "a")

file.write("Additional Data Analysis Techniques\n")

file.close()
```

In [8]:
```python
file = open("example.txt", "r")

content = file.read()
print("Updated File Content:")
print(content)
file.close()
```

```
Updated File Content:
Data Cleaning and Preparation
Data Wrangling
Data Visualization
Timeseries
Additional Data Analysis Techniques
```

In [9]:
```python
import json
json_str = '{"name": "Jana", "age": 19, "skills": ["Python", "Data Analysis"]}
```

In [10]:
```python
data = json.loads(json_str)
print("Parsed JSON:", data)
```

```
Parsed JSON: {'name': 'Jana', 'age': 19, 'skills': ['Python', 'Data Analysis']}
```

In [11]:
```python
json_data = json.dumps(data, indent=4)
print("JSON String:", json_data)
```

```
JSON String: {
    "name": "Jana",
    "age": 19,
    "skills": [
        "Python",
        "Data Analysis"
    ]
}
```

In [ ]: