

#Task 4: Executing SQL Commands and SQL-style Functions on a DataFrame

```
from pyspark.sql import SparkSession
```

```
spark = SparkSession.builder.appName("SQL Example").getOrCreate()
```

```
# Sample DataFrame
```

```
data = [("John", 30), ("Jane", 25), ("Mary", 35)]
```

```
columns = ["Name", "Age"]
```

```
df = spark.createDataFrame(data, columns)
```

```
# Register DataFrame as a SQL temporary view
```

```
df.createOrReplaceTempView("people")
```

```
# Execute SQL query
```

```
result = spark.sql("SELECT Name, Age FROM people WHERE Age > 28")
```

```
result.show()
```

```
spark.stop()
```

```
↔ +---+---+
  |Name|Age|
  +---+---+
  |John| 30|
  |Mary| 35|
  +---+---+
```

Start coding or [generate](#) with AI.

