In [2]:
```python
import pandas as pd

# Data
data = {
    "Name": ["John", "Alice", "Bob", "Diana"],
    "Age": [28, 34, 23, 29],
    "Department": ["HR", "IT", "Marketing", "Finance"],
    "Salary": [45000, 60000, 35000, 50000]
}

# Create DataFrame
df = pd.DataFrame(data)

# Display the DataFrame
print(df)
```

```
    Name  Age Department  Salary
0   John   28         HR   45000
1  Alice   34         IT   60000
2    Bob   23  Marketing   35000
3  Diana   29    Finance   50000
```

In [4]:
```python
# Display the first 2 rows of the DataFrame
print("First 2 rows of the DataFrame:")
print(df.head(2))

# Add a new column named 'Bonus' where the bonus is 10% of the salary
df['Bonus'] = df['Salary'] * 0.10
print("\nDataFrame with the 'Bonus' column:")
print(df)

# Calculate the average salary of employees
average_salary = df['Salary'].mean()
print(f"\nAverage salary of employees: {average_salary:.2f}")

# Filter and display employees who are older than 25
filtered_employees = df[df['Age'] > 25]
print("\nEmployees who are older than 25:")
print(filtered_employees)
```

```
First 2 rows of the DataFrame:
    Name  Age Department  Salary
0   John   28         HR   45000
1  Alice   34         IT   60000

DataFrame with the 'Bonus' column:
    Name  Age Department  Salary   Bonus
0   John   28         HR   45000  4500.0
1  Alice   34         IT   60000  6000.0
2    Bob   23  Marketing   35000  3500.0
3  Diana   29    Finance   50000  5000.0

Average salary of employees: 47500.00

Employees who are older than 25:
    Name  Age Department  Salary   Bonus
0   John   28         HR   45000  4500.0
1  Alice   34         IT   60000  6000.0
3  Diana   29    Finance   50000  5000.0
```

In [ ]: