```
In [6]: import pandas as pd
        # Creating the DataFrame
        data = {
            "Employee": ["John", "Alice", "Bob", "Emma"],
            "Department": ["IT", "HR", "Finance", "IT"],
            "Salary": [60000, 55000, 70000, 72000],
            "Age": [30, 28, 35, 32]
        }
        df = pd.DataFrame(data)
        # 1. Display the first two rows of the DataFrame
        print("First two rows of the DataFrame:")
        print(df.head(2))
        # 2. Add a new column "Experience" with values [5, 3, 7, 6]
        df["Experience"] = [5, 3, 7, 6]
        print("\nDataFrame after adding Experience column:")
        print(df)
        # 3. Find the average salary of all employees
        average_salary = df["Salary"].mean()
        print(f"\nAverage salary of all employees: {average_salary}")
      First two rows of the DataFrame:
         Employee Department Salary Age
       0
            John IT 60000
                                     30
                        HR 55000 28
      1
           Alice
      DataFrame after adding Experience column:
         Employee Department Salary Age Experience
            John
                       IT 60000 30
      0
                                                  5
      1
           Alice
                        HR 55000 28
                                                  3
            Bob Finance 70000 35
                                                  7
      2
            Emma
                        IT 72000 32
      Average salary of all employees: 64250.0
In [9]: # Creating a DataFrame for students
        students data = {
            "Name": ["Ram", "Vishal", "sid", "Vasu", "Rahul"],
            "Math": [85, 78, 90, 88, 76],
            "Science": [92, 89, 85, 95, 80],
            "English": [80, 85, 78, 82, 88]
        }
        students_df = pd.DataFrame(students_data)
        # 1. Display all students who scored more than 80 in Math
        high math scores = students df[students df["Math"] > 80]
        print("\nStudents who scored more than 80 in Math:")
        print(high_math_scores)
        # 2. Sort the DataFrame in descending order based on Science scores
        sorted_science_df = students_df.sort_values(by="Science", ascending=False)
        print("\nDataFrame sorted by Science scores in descending order:")
        print(sorted_science_df)
        # 3. Find the student with the highest English score
        highest_english_student = students_df.loc[students_df["English"].idxmax()]
        print("\nStudent with the highest English score:")
        print(highest_english_student)
```

Students who scored more than 80 in Math:

	Name	Math	Science	English
0	Ram	85	92	80
2	sid	90	85	78
3	Vasu	88	95	82

DataFrame sorted by Science scores in descending order:

	Name	Math	Science	English
3	Vasu	88	95	82
0	Ram	85	92	80
1	Vishal	78	89	85
2	sid	90	85	78
4	Rahul	76	80	88

Student with the highest English score:

Name Rahul Math 76 Science 80 English 88

Name: 4, dtype: object

In []: