**OUTPUT**

--- Student Management System ---

1. Add Student

2. View All Students

3. Update Student Details

4. Delete Student

5. Sort Students by Marks

6. Sort Students by Name

7. Exit

Enter your choice: 1

Enter Student ID: 580

Enter Student Name: dolly

Enter Student Marks: 98

Student added successfully!

--- Student Management System ---

1. Add Student

2. View All Students

3. Update Student Details

4. Delete Student

5. Sort Students by Marks

6. Sort Students by Name

7. Exit

Enter your choice: 1

Enter Student ID: 585

Enter Student Name: smiley

Enter Student Marks: 95

Student added successfully!

--- Student Management System ---

1. Add Student

2. View All Students

3. Update Student Details

4. Delete Student

5. Sort Students by Marks

6. Sort Students by Name

7. Exit

Enter your choice: 2

--- Student Records ---

ID: 580, Name: dolly, Marks: 98

ID: 585, Name: smiley, Marks: 95

--- Student Management System ---

1. Add Student

2. View All Students

3. Update Student Details

4. Delete Student

5. Sort Students by Marks

6. Sort Students by Name

7. Exit

Enter your choice: 3

Enter Student ID to update: 585

Enter new Name: 97

Enter new Marks: 97

Student details updated successfully!

--- Student Management System ---

1. Add Student

2. View All Students

3. Update Student Details

4. Delete Student

5. Sort Students by Marks

6. Sort Students by Name

7. Exit

Enter your choice: 3

Enter Student ID to update: 585

Enter new Name: fuggy

Enter new Marks: 97

Student details updated successfully!

--- Student Management System ---

1. Add Student

2. View All Students

3. Update Student Details

4. Delete Student

5. Sort Students by Marks

6. Sort Students by Name

7. Exit

Enter your choice: 4

Enter Student ID to delete: 580

Student deleted successfully!

--- Student Management System ---

1. Add Student

2. View All Students

3. Update Student Details

4. Delete Student

5. Sort Students by Marks

6. Sort Students by Name

7. Exit

Enter your choice: 5

Students sorted by marks in descending order.

--- Student Records ---

ID: 585, Name: fuggy, Marks: 97

--- Student Management System ---

1. Add Student

2. View All Students

3. Update Student Details

4. Delete Student

5. Sort Students by Marks

6. Sort Students by Name

7. Exit

Enter your choice: 6

Students sorted by name in alphabetical order.

--- Student Records ---

ID: 585, Name: fuggy, Marks: 97

--- Student Management System ---

1. Add Student

2. View All Students

3. Update Student Details

4. Delete Student

5. Sort Students by Marks

6. Sort Students by Name

7. Exit

Enter your choice: 7

Exiting the program...