

## Week 3 - OUTPUT

### Added three students

```
=== Student Management System ===  
Student data loaded from students.dat successfully. (0 records)
```

```
=====
STUDENT MANAGEMENT SYSTEM
=====
1. Add a new student
2. Remove a student by ID
3. Update student details by ID
4. Search for a student by ID
5. Display all students (sorted)
6. Save and exit
=====
Enter your choice (1-6): 1
```

```
--- Add New Student ---
Enter student ID: 1
Enter student name: Bhavani
Enter student age: 21
Enter student grade: A
Enter student address: Narsaraopeta
Student added successfully.
```

Press Enter to continue...

```
=====
STUDENT MANAGEMENT SYSTEM
=====
1. Add a new student
2. Remove a student by ID
3. Update student details by ID
4. Search for a student by ID
5. Display all students (sorted)
6. Save and exit
=====
Enter your choice (1-6): 1
```

```
--- Add New Student ---
Enter student ID: 2
Enter student name: prasad
Enter student age: 23
Enter student grade: B
Enter student address: Vijayawada
Student added successfully.
```

Press Enter to continue...

```

=====
      STUDENT MANAGEMENT SYSTEM
=====
1. Add a new student
2. Remove a student by ID
3. Update student details by ID
4. Search for a student by ID
5. Display all students (sorted)
6. Save and exit
=====
Enter your choice (1-6): 1

--- Add New Student ---
Enter student ID: 3
Enter student name: Abhi
Enter student age: 20
Enter student grade: S
Enter student address: Hyderabad
Student added successfully.

Press Enter to continue...

```

## Display the students (sorted)

```

=====
      STUDENT MANAGEMENT SYSTEM
=====
1. Add a new student
2. Remove a student by ID
3. Update student details by ID
4. Search for a student by ID
5. Display all students (sorted)
6. Save and exit
=====
Enter your choice (1-6): 5

--- All Students (Sorted by Name, then ID) ---
1. Student{id=3, name='ABHI', age=20, grade='S', address='Hyderabad'}
2. Student{id=1, name='BHAVANI', age=21, grade='A', address='Narsaraopeta'}
3. Student{id=2, name='PRASAD', age=23, grade='B', address='Vijayawada'}
Total students: 3
=====

```

## Change the student name with id

```
=====
STUDENT MANAGEMENT SYSTEM
=====
1. Add a new student
2. Remove a student by ID
3. Update student details by ID
4. Search for a student by ID
5. Display all students (sorted)
6. Save and exit
=====
Enter your choice (1-6): 3

--- Update Student ---
Enter student ID to update: 2
Current student details: Student{id=2, name='PRASAD', age=23, grade='B', address='Vijayawada'}
Enter new values (press Enter to keep current value):
Enter new name [PRASAD]: Bhanu
Enter new age [23]: 23
Enter new grade [B]:
Enter new address [Vijayawada]:
Student with ID 2 updated successfully.

Press Enter to continue...

=====
STUDENT MANAGEMENT SYSTEM
=====
1. Add a new student
2. Remove a student by ID
3. Update student details by ID
4. Search for a student by ID
5. Display all students (sorted)
6. Save and exit
=====
Enter your choice (1-6): 5

--- All Students (Sorted by Name, then ID) ---
1. Student{id=3, name='ABHI', age=20, grade='S', address='Hyderabad'}
2. Student{id=2, name='BHANU', age=23, grade='B', address='Vijayawada'}
3. Student{id=1, name='BHAVANI', age=21, grade='A', address='Narsaraopeta'}
Total students: 3
=====
```

## search for a student with his id

```
=====
STUDENT MANAGEMENT SYSTEM
=====
1. Add a new student
2. Remove a student by ID
3. Update student details by ID
4. Search for a student by ID
5. Display all students (sorted)
6. Save and exit
=====
Enter your choice (1-6): 4

--- Search Student ---
Enter student ID to search: 3

--- Student Found ---
Student{id=3, name='ABHI', age=20, grade='S', address='Hyderabad'}
```

## Remove a student with id

```

=====
STUDENT MANAGEMENT SYSTEM
=====
1. Add a new student
2. Remove a student by ID
3. Update student details by ID
4. Search for a student by ID
5. Display all students (sorted)
6. Save and exit
=====
Enter your choice (1-6): 2

--- Remove Student ---
Enter student ID to remove: 1
Student to be removed: Student{id=1, name='BHAVANI', age=21, grade='A', address='Narsaraopeta'}
Are you sure you want to remove this student? (y/N): y
Student with ID 1 removed successfully.

Press Enter to continue...

=====
STUDENT MANAGEMENT SYSTEM
=====
1. Add a new student
2. Remove a student by ID
3. Update student details by ID
4. Search for a student by ID
5. Display all students (sorted)
6. Save and exit
=====
Enter your choice (1-6): 5

--- All Students (Sorted by Name, then ID) ---
1. Student{id=3, name='ABHI', age=20, grade='S', address='Hyderabad'}
2. Student{id=2, name='BHANU', age=23, grade='B', address='Vijayawada'}
Total students: 2
=====

```

## Save and exit the code

```

=====
STUDENT MANAGEMENT SYSTEM
=====
1. Add a new student
2. Remove a student by ID
3. Update student details by ID
4. Search for a student by ID
5. Display all students (sorted)
6. Save and exit
=====
Enter your choice (1-6): 6
Student data saved to students.dat successfully. (2 records)
Data saved successfully. Exiting application. Goodbye!
(hope) codingCoding MacBook Pro:DOTS ▣

```