Project: Student Management System

Introduction

This is a console-based Student Management System built using C# (.NET) and SQL Server. It allows users to perform basic CRUD operations on student records, such as adding, viewing, updating, and deleting students. The application also supports filtering students by grade and age.

OUTPUT:

```
--- Student Management System ---

1. Add Student

2. View Students

3. Update Student

4. Delete Student

5. Filter by Grade

6. Filter by Age

9. Exit
Enter your choice: 1
Name: Moni
Age: 22
Grade: A
Email: moni@gmail.com
Student added successfully.
```

```
Student Management System ---
1. Add Student
2. View Students
3. Update Student
4. Delete Student
5. Filter by Grade
6. Filter by Age
0. Exit
Enter your choice: 4
Enter Student ID to Delete: 10
Student deleted successfully.
     - Student Management System ---
1. Add Student
2. View Students
3. Update Student
4. Delete Student
5. Filter by Grade
6. Filter by Age
0. Exit
Enter your choice: 2
ID: 2, Name: Arun Kumar, Age: 20, Grade: B, Email: arun.k@example.com
ID: 2, Name: Arth Rumar, Age: 20, Grade: B, Email: arth.Ruexample.com
ID: 3, Name: Priya S, Age: 22, Grade: A, Email: priya.s@example.com
ID: 4, Name: Ravi M, Age: 19, Grade: C, Email: ravi.m@example.com
ID: 5, Name: Sneha L, Age: 23, Grade: B, Email: sneha.l@example.com
ID: 6, Name: dharsh, Age: 23, Grade: A, Email: Dharsh@gmail.com
ID: 8, Name: Moni, Age: 21, Grade: A, Email: moni@gmail.com
ID: 11, Name: Moni, Age: 22, Grade: A, Email: moni@gmail.com
```

```
Student Management System ---
1. Add Student
2. View Students

    Update Student
    Delete Student

5. Filter by Grade
6. Filter by Age
0. Exit
Enter your choice: 5
Enter Grade to Filter: A
Students in Grade A:
3 - Priya S, Age: 22, Email: priya.s@example.com
6 - dharsh, Age: 23, Email: Dharsh@gmail.com
8 - Moni, Age: 21, Email: moni123@gmail.com
11 - Moni, Age: 22, Email: moni@gmail.com
     Student Management System -
1. Add Student
2. View Students
3. Update Student
4. Delete Student

    Filter by Grade
    Filter by Age

0. Exit
Enter your choice: 6
Enter Age to Filter: 22
Students with Age 22:
3 - Priya S, Grade: A, Email: priya.s@example.com
11 - Moni, Grade: A, Email: moni@gmail.com
 --- Student Management System --
1. Add Student
2. View Students
3. Update Student
4. Delete Student
5. Filter by Grade
6. Filter by Age
0. Exit
Enter your choice: 0
Exiting...
```

TESTING

