

NAME: KRISHNA NAGARE

```
students = {}
```

```
while True:
```

```
    print("\nStudent Management System")
```

```
    print("1. Add Student")    print("2. View
```

```
    Students")    print("3. Update Student")
```

```
    print("4. Delete Student")    print("5.
```

```
    Search Student")    print("6. Exit")
```

```
    choice = input("Enter your choice: ")
```

```
    if choice == '1':
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```
        roll_no = input("Enter Roll Number: ")    name = input("Enter
```

```
        Name: ")    marks = input("Enter Marks: ")    marks = float(marks)
```

```
        grade = 'A' if marks >= 90 else 'B' if marks >= 75 else 'C'
```

```
        students[roll_no] = {'name': name, 'marks': marks, 'grade': grade}
```

```
        print("Student added successfully!")
```

```
    elif choice == '2':
```

```
        if students:    for roll_no, details in
```

```
        students.items():
```

```
            print(f"Roll No: {roll_no}, Name: {details['name']}, Marks: {details['marks']}, Grade: {details['grade']}")
```

```
    else:
```

```

        print("No student records available.")

elif choice == '3':
    roll_no = input("Enter Roll Number to Update: ")
    if roll_no in students:
        name = input("Enter New Name (Leave blank to keep current): ")
        marks = input("Enter New Marks (Leave blank to keep current): ")

        if name:
            students[roll_no]['name'] = name
        if marks:
            marks = float(marks)
            students[roll_no]['marks'] = marks
        students[roll_no]['grade'] = 'A' if marks >= 90 else 'B' if marks >= 75 else 'C'

        print("Student record updated successfully!")
    else:
        print("Student not found.")

elif choice == '4':
    roll_no = input("Enter Roll Number to Delete: ")
    if roll_no in students:
        del students[roll_no]
    print("Student record deleted successfully!")
else:
    print("Student not found.")

```

```
elif choice == '5':  
    roll_no = input("Enter Roll Number to Search: ")  
    if roll_no in students:  
        details = students[roll_no]    print(f"Roll No: {roll_no}, Name: {details['name']},  
Marks: {details['marks']}, Grade:  
{details['grade']}")  
    else:  
        print("Student not found.")  
  
elif choice == '6':  
    print("Exiting system. Goodbye!")  
break  
  
else:  
    print("Invalid choice! Please try again.")
```

## Output:

Student Management System

1. Add Student
2. View Students
3. Update Student
4. Delete Student
5. Search Student
6. Exit

```
Enter your choice: 1  
Enter Roll Number: 259  
Enter Name: ANIKET  
Enter Marks: 72
```

Student added successfully!

Student Management System

1. Add Student
2. View Students
3. Update Student 4. Delete Student
5. Search Student
6. Exit

Enter your choice: 2

Roll No: 259, Name: ANIKET, Marks: 72.0, Grade: C

Student Management System

1. Add Student
2. View Students
3. Update Student 4. Delete Student
5. Search Student
6. Exit

Enter your choice: