```
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.0;
contract StudentData {
       struct Student {
       uint id:
       string name;
       uint age;
       string grade;
       Student[] public students;
       uint public studentCount;
       // Receive function to accept Ether
       receive() external payable {}
       // Fallback function (optional, can handle non-empty data transactions)
       fallback() external payable {}
       // Function to add a new student
       function addStudent(string memory _name, uint _age, string memory _grade)
public {
       studentCount++;
       students.push(Student(studentCount, _name, _age, _grade));
       }
       // Function to get student details by ID
       function getStudent(uint _id) public view returns (uint, string memory,
uint,string memory) {
       require(_id > 0 && _id <= studentCount, "Student does not exist.");
       Student memory student = students[_id - 1];
       return (student.id, student.name, student.age, student.grade);
       }
       // Function to get the total number of students
       function getTotalStudents() public view returns (uint) {
       return studentCount;
       }
}
```

Output:















