

Assignment No: 4

Title: Write a program in solidity to create Student data. Use the following constructs:

- ☐ Structures
- ☐ Arrays
- ☐ Fallback

Deploy this as smart contract on Ethereum and Observe the transaction fee and Gas values

Implementation:

```
// SPDX-License-Identifier: MIT
```

```
pragma solidity ^0.8.0;
```

```
contract StudentData {
```

```
    struct Student {  
        uint id;  
        string name;  
        uint marks;  
    }
```

```
    Student[] public students;
```

```
    receive() external payable {  
  
    }
```

```
    function addStudent(uint id, string memory name, uint marks) public {
```

```

        students.push(Student(id, name, marks));
    }

    function getStudentCount() public view returns (uint) {
        return students.length;
    }
}

```

OUTPUT:

