

EXPERIMENT NO: 04

```
pragma solidity >= 0.8.18; contract MarksManagmtSys
{
    struct Student
    {
        int ID;
        string fName; string lName; int marks;
    }
    address owner;
    int public stdCount = 0;
    mapping(int => Student) public stdRecords;

    modifier onlyOwner
    {
        require(owner == msg.sender);
        _;
    }
    constructor()
    {
        owner=msg.sender;
    }

    function addNewRecords(int _ID,
        string memory _fName, string memory _lName,
        int _marks) public onlyOwner
    {

        stdCount = stdCount + 1;
        stdRecords[stdCount] = Student(_ID, _fName, _lName, _marks);
    }
}
```

```
}
```

```
function bonusMarks(int _bonus) public onlyOwner
```

```
{
```

```
stdRecords[stdCount].marks =
```

```
stdRecords[stdCount].marks + _bonus;
```

```
}
```

```
}
```