// SPDX-License-Identifier: MIT

// Solidity program to implement

// the above approach

pragma solidity  ^0.7.0;

// Build the Contract

contract MarksManagmtSys

{

    // Create a structure for

    // student details

    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;

    }

    // Create a function to add

    // the new records

    function addNewRecords(int \_ID,

                        string memory \_fName,

                        string memory \_lName,

                        int \_marks) public onlyOwner

    {

        // Increase the count by 1

        stdCount = stdCount + 1;

        // Fetch the student details

        // with the help of stdCount

        stdRecords[stdCount] = Student(\_ID, \_fName,

                                    \_lName, \_marks);

    }

    // Create a function to add bonus marks

    function bonusMarks(int \_bonus) public onlyOwner

    {

        stdRecords[stdCount].marks =

                    stdRecords[stdCount].marks + \_bonus;

    }

}