//SPDX-License-Identifier: UNLICENSED

pragma solidity >=0.7.0 <0.9.0;

//Build Contract

contract MarksManagmtSys{

    //create structure for student details

    struct StudentStruct{

        uint ID;

        string fName;

        string lName;

        uint marks;

    }

    address owner;

    uint public stdCount = 0;

    //create array to store student data

    StudentStruct[] stdRecords;

    constructor(){

        owner = msg.sender;

    }

    //create function to add the new records

    function addNewRecords(uint \_ID,

                           string memory \_fName ,

                           string memory \_lName,

                           uint \_marks) public payable

            {

                //increase the count by 1

                stdCount = stdCount + 1;

                //adding data into array

                stdRecords.push(StudentStruct(\_ID , \_fName , \_lName , \_marks));

            }

            function getAllRecords() public view returns(StudentStruct[] memory){

                return stdRecords;

            }

}