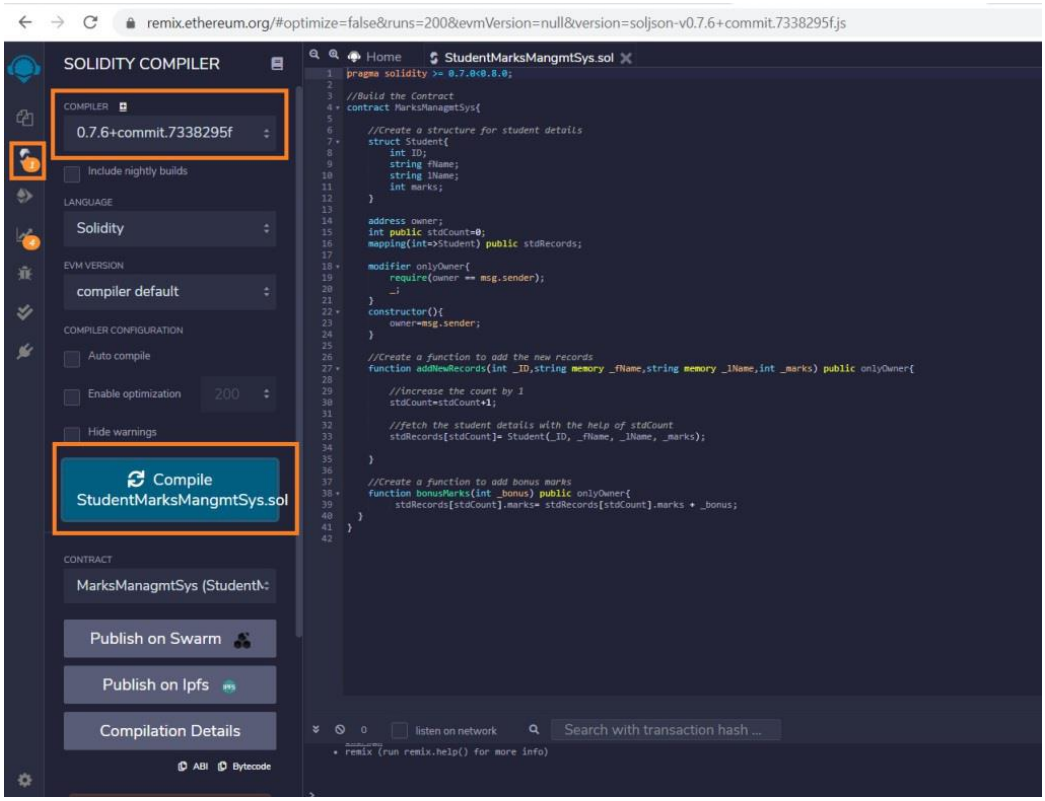
```
pragma solidity >= 0.7.0<0.8.0;
contract MarksManagmtSys
{
	struct Student
	{
		int ID;
		string fName;
		string lName;
		int marks;
	}
	address owner;
	int public stdCount = 0;
	mapping(int => Student)
	public stdRecords;
	modifier onlyOwner
	{
		require(owner == msg.sender);
	}
	constructor()
	{
		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; } }
```


remix.ethereum.org/#optimize=false&runs=200&evmVersion=null&version=soljson-v0.7.6+commit.7338295f.js
SOLIDITY COMPILER
COMPILER
0.7.6+commit.7338295f
Include nightly builds
LANGUAGE
Solidity
EVM VERSION
compiler default
COMPILER CONFIGURATION
Auto compile
Enable optimization
200
Hide warnings
Compile StudentMarksMangmtSys.sol
CONTRACT
MarksManagmtSys (StudentM
Publish on Swarm
Publish on Ipfs
Compilation Details
ABI
Bytecode
Home
StudentMarksMangmtSys.sol
pragma solidity >= 0.7.0<0.8.0;
//Build the Contract
contract MarksManagmtSys{
//Create a structure for student details
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constructor(){
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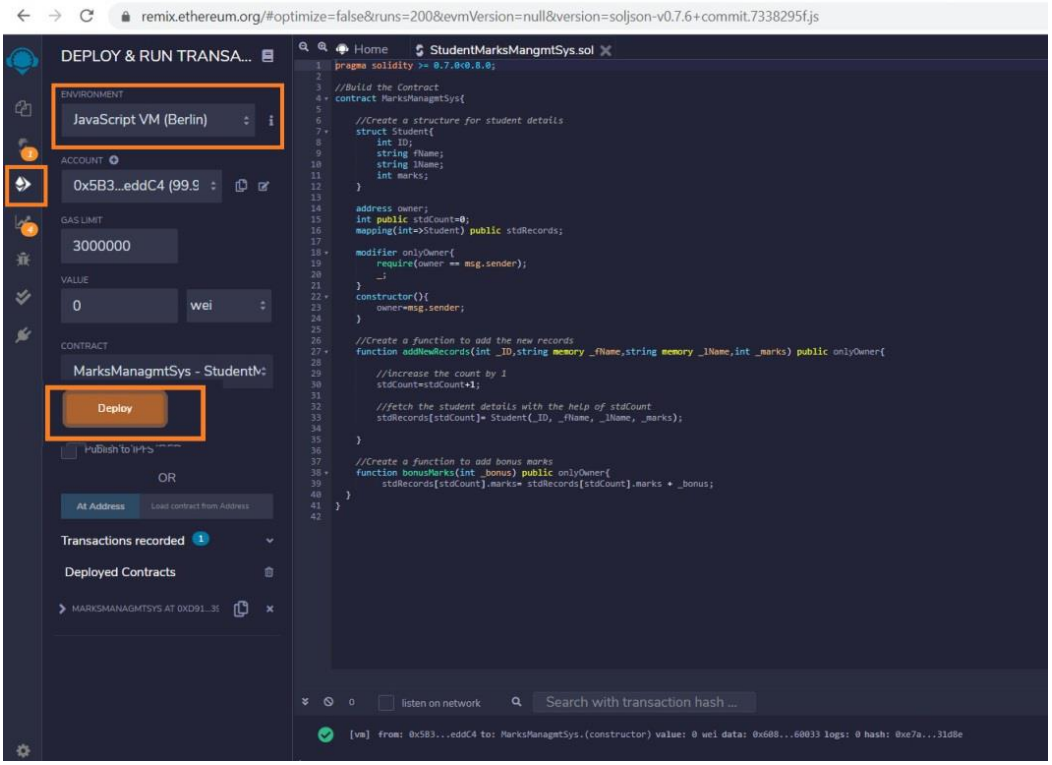
}
//Create a function to add the new records
function addNewRecords(int _ID,string memory _fName,string memory _lName,int _marks) public onlyOwner{
//increase the count by 1
stdCount=stdCount+1;
//fetch the student details with the help of stdCount
stdRecords[stdCount]= Student(_ID, _fName, _lName, _marks);
}
//Create a function to add bonus marks
function bonusMarks(int _bonus) public onlyOwner{
stdRecords[stdCount].marks= stdRecords[stdCount].marks + _bonus;
}
}
0
listen on network
Search with transaction hash ...
remix (run remix.help() for more info)


remix.ethereum.org/#optimize=false&runs=200&evmVersion=null&version=soljson-v0.7.6+commit.7338295f.js
DEPLOY & RUN TRANSA...
ENVIRONMENT
JavaScript VM (Berlin)
ACCOUNT
0x5B3...eddC4 (99.9
GAS LIMIT
3000000
VALUE
0
wei
CONTRACT
MarksManagmtSys - StudentM
Deploy
Publish to IPFS
OR
At Address
Load contract from Address
Transactions recorded 1
Deployed Contracts
MARKSMANAGMTSYS AT 0XD91...3E
Home
StudentMarksMangmtSys.sol
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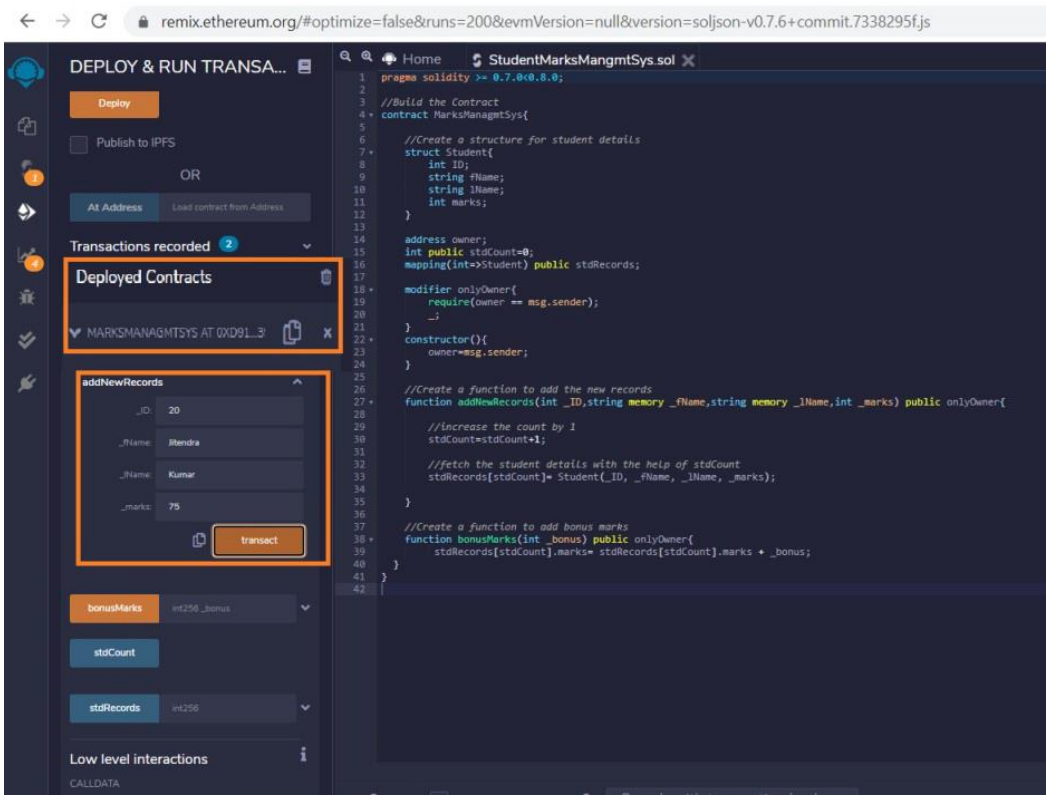
stdRecords[stdCount].marks= stdRecords[stdCount].marks + _bonus;
}
}
0
listen on network
Search with transaction hash ...
[vm] from: 0x583...eddC4 to: MarksManagmtSys.(constructor) value: 0 wei data: 0x608...60033 logs: 0 hash: 0xe7a...31d8e


remix.ethereum.org/#optimize=false&runs=200&evmVersion=null&version=soljson-v0.7.6+commit.7338295f.js
DEPLOY & RUN TRANSA...
Deploy
Publish to IPFS
OR
At Address
Load contract from Address
Transactions recorded 2
Deployed Contracts
MARKSMANAGMTSYS AT 0XD91...3
addNewRecords
_ID: 20
_fName: Jitendra
_lName: Kumar
_marks: 75
transact
bonusMarks
int256 _bonus
stdCount
stdRecords
int256
Low level interactions
CALLDATA
Home
StudentMarksMangmtSys.sol
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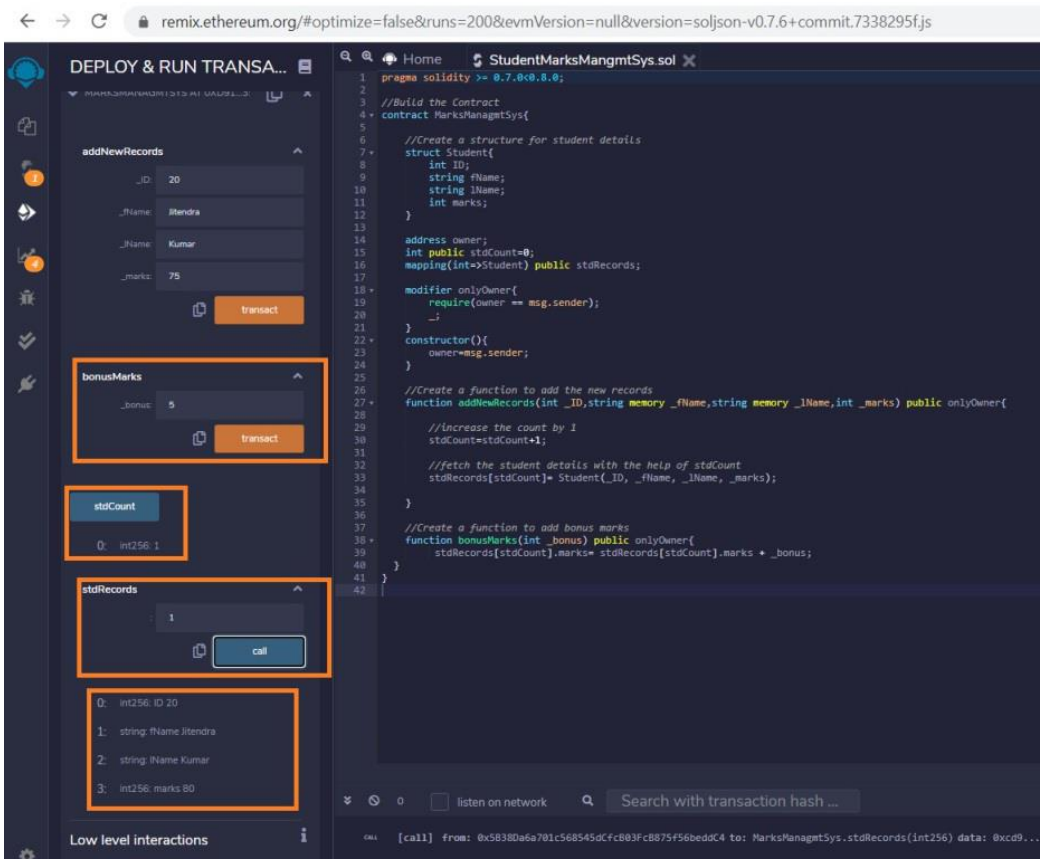
remix.ethereum.org/#optimize=false&runs=200&evmVersion=null&version=soljson-v0.7.6+commit.7338295f.js
DEPLOY & RUN TRANSA...
addNewRecords
_ID: 20
_fName: Jitendra
_lName: Kumar
_marks: 75
transact
bonusMarks
_bonus: 5
transact
stdCount
0: int256: 1
stdRecords
1
call
0: int256: ID 20
1: string: fName Jitendra
2: string: lName Kumar
3: int256: marks 80
Low level interactions
Home
StudentMarksMangmtSys.sol
listen on network
Search with transaction hash ...
[call] from: 0x5B38Da6a701c568545dCfcB03FcB875f56beddC4 to: MarksManagmtSys.stdRecords(int256) data: 0xcd9...