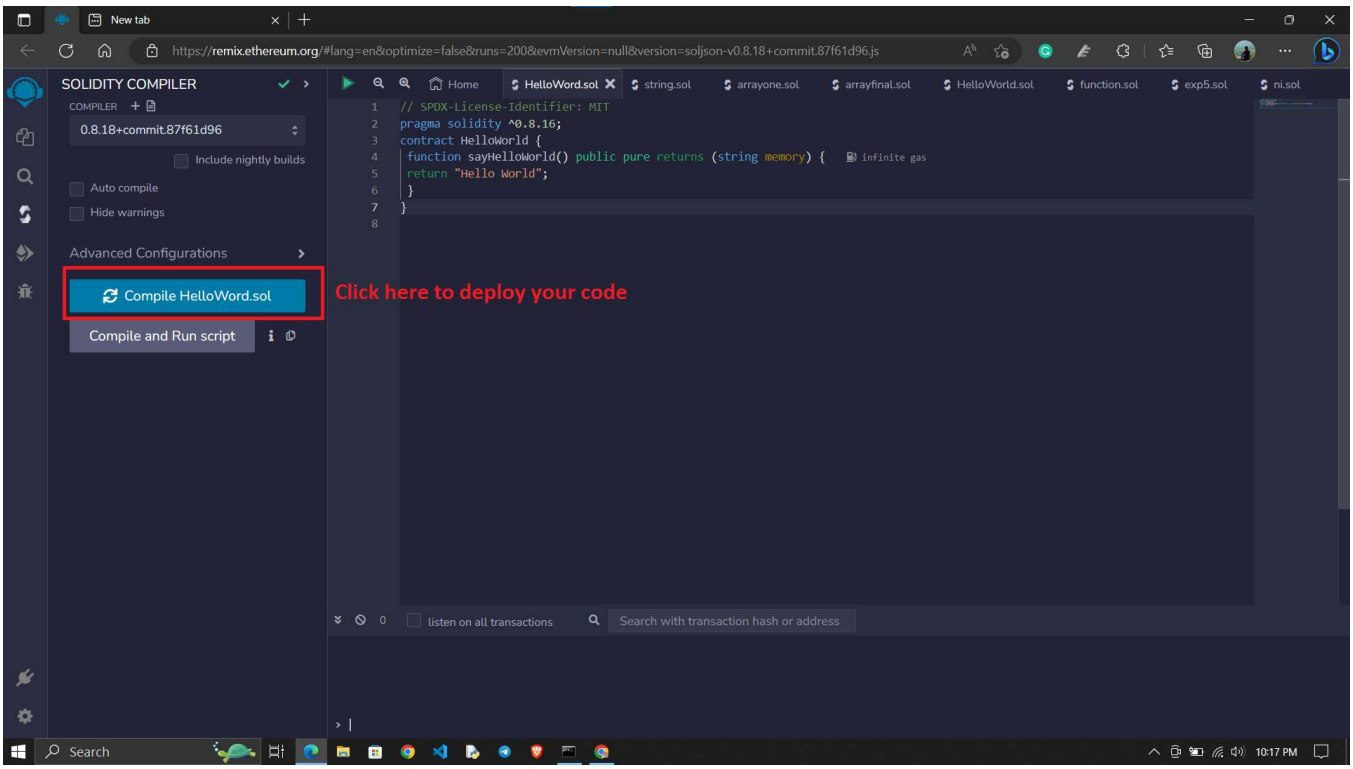
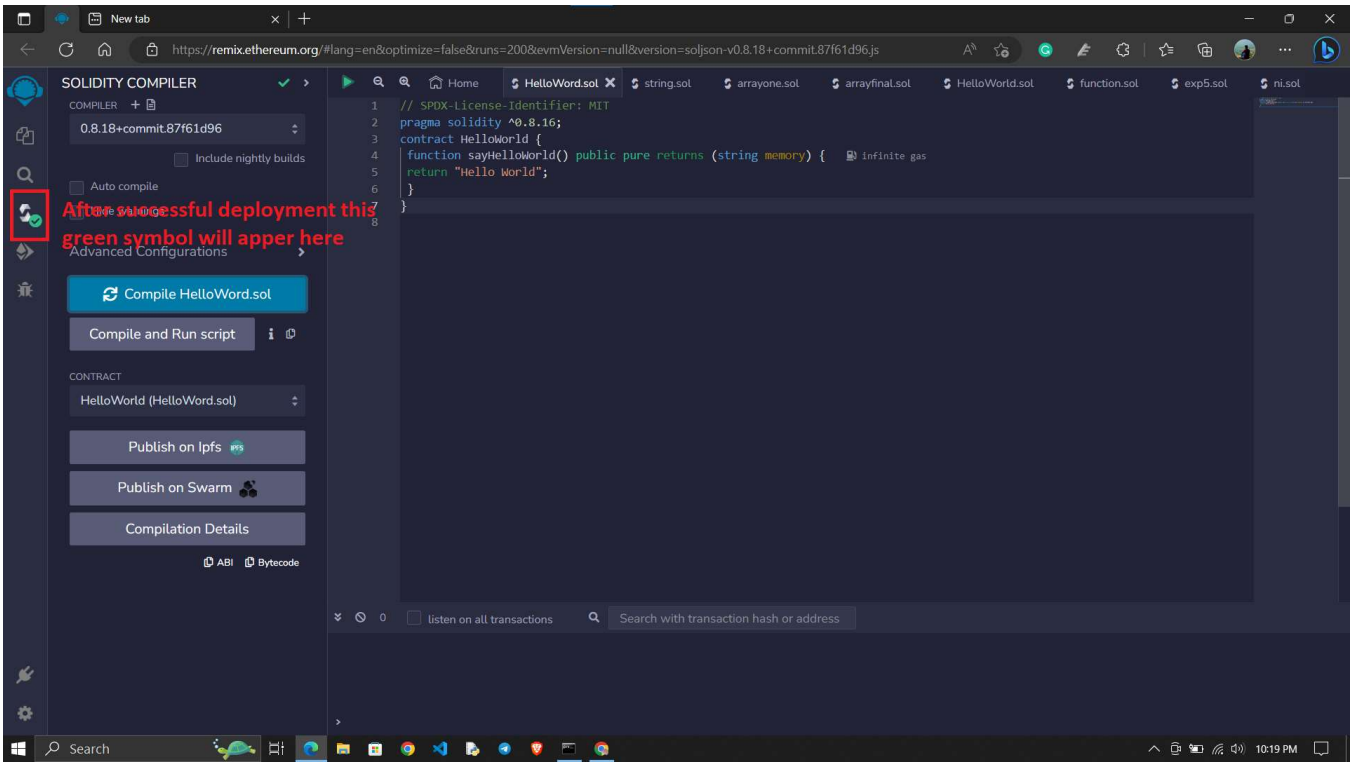
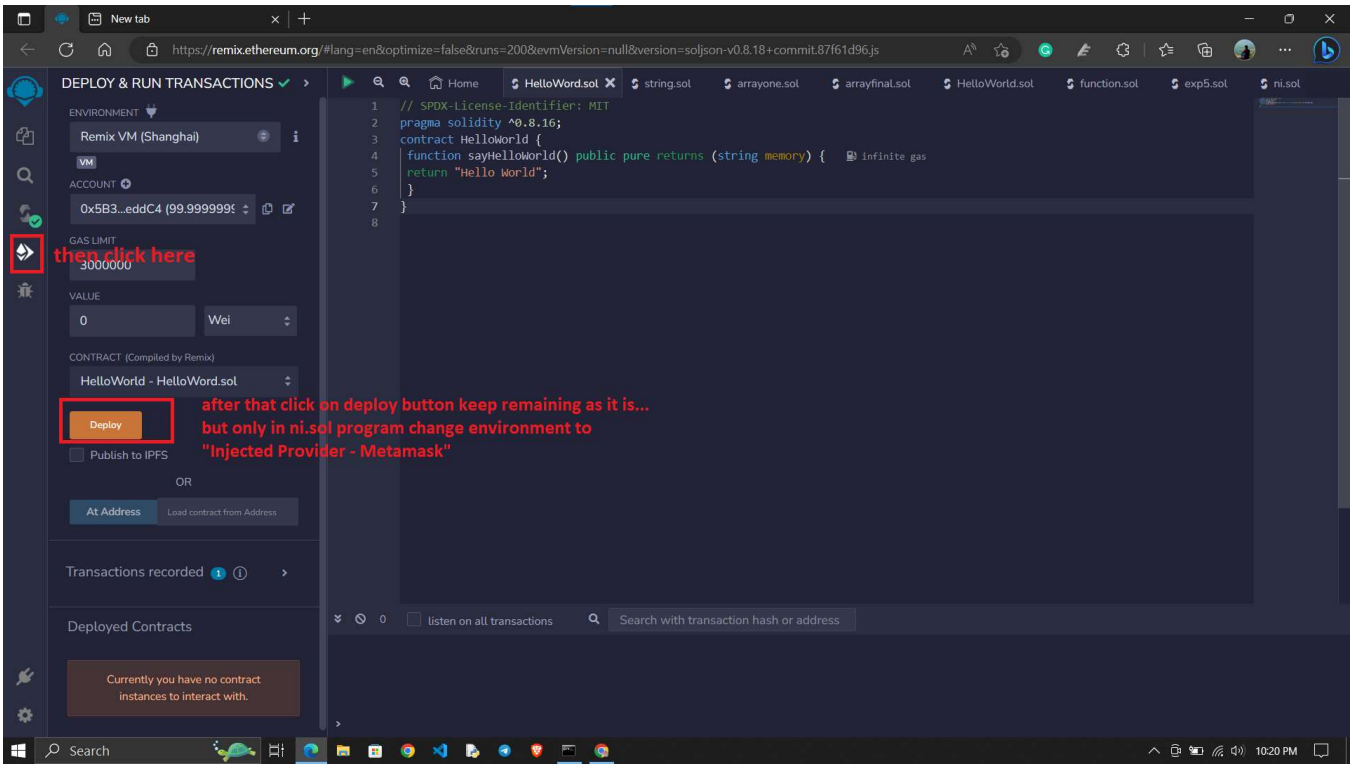
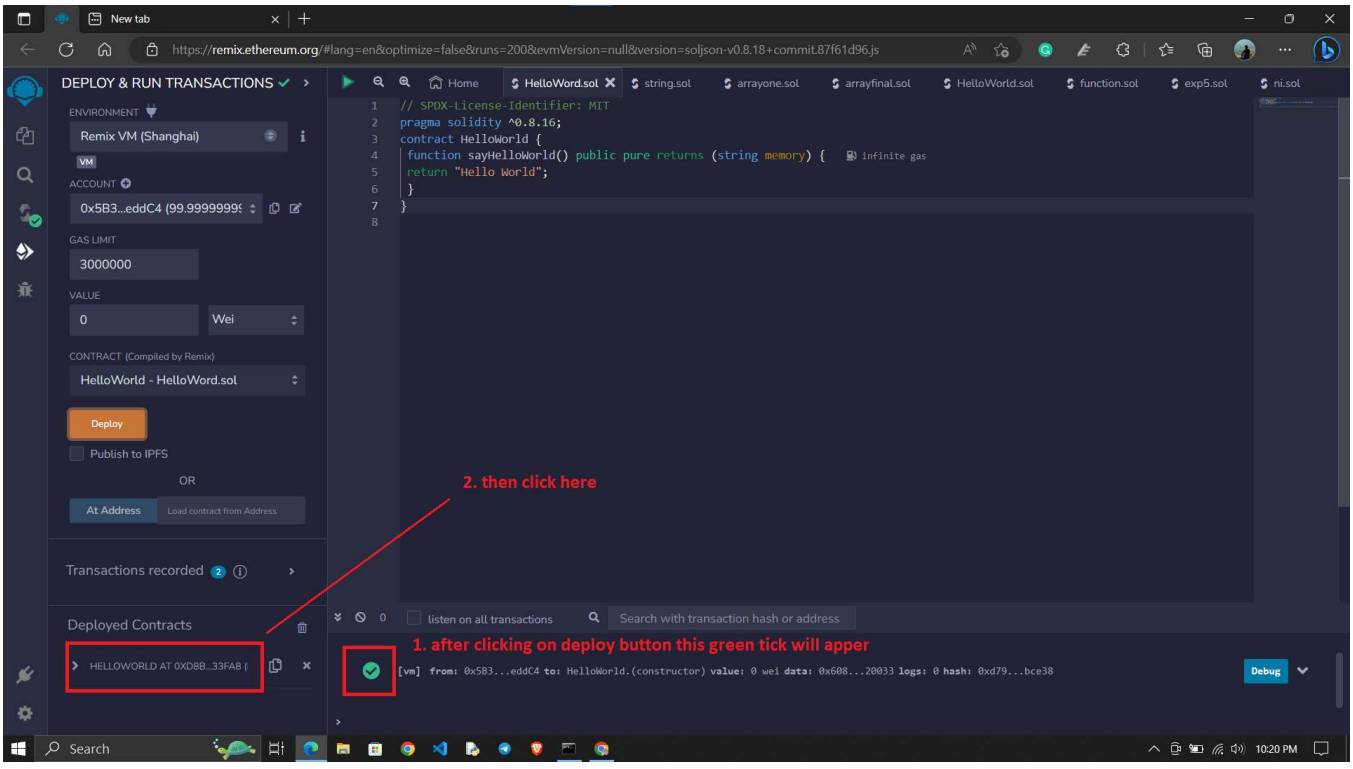
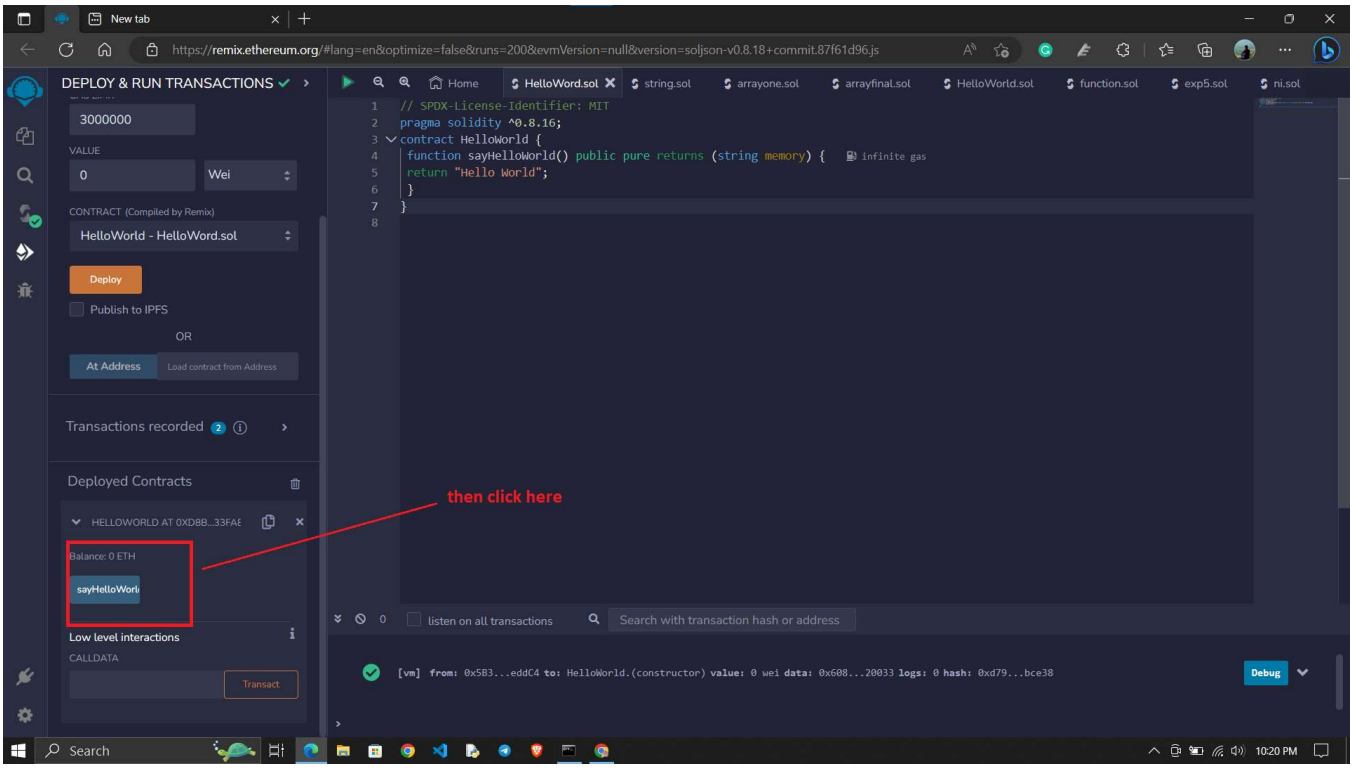
1. Open https://remix.ethereum.org/ (https://remix.ethereum.org/)
2. click on create new file and and run this program
3. press ctrl+s to compile or click on green play icon

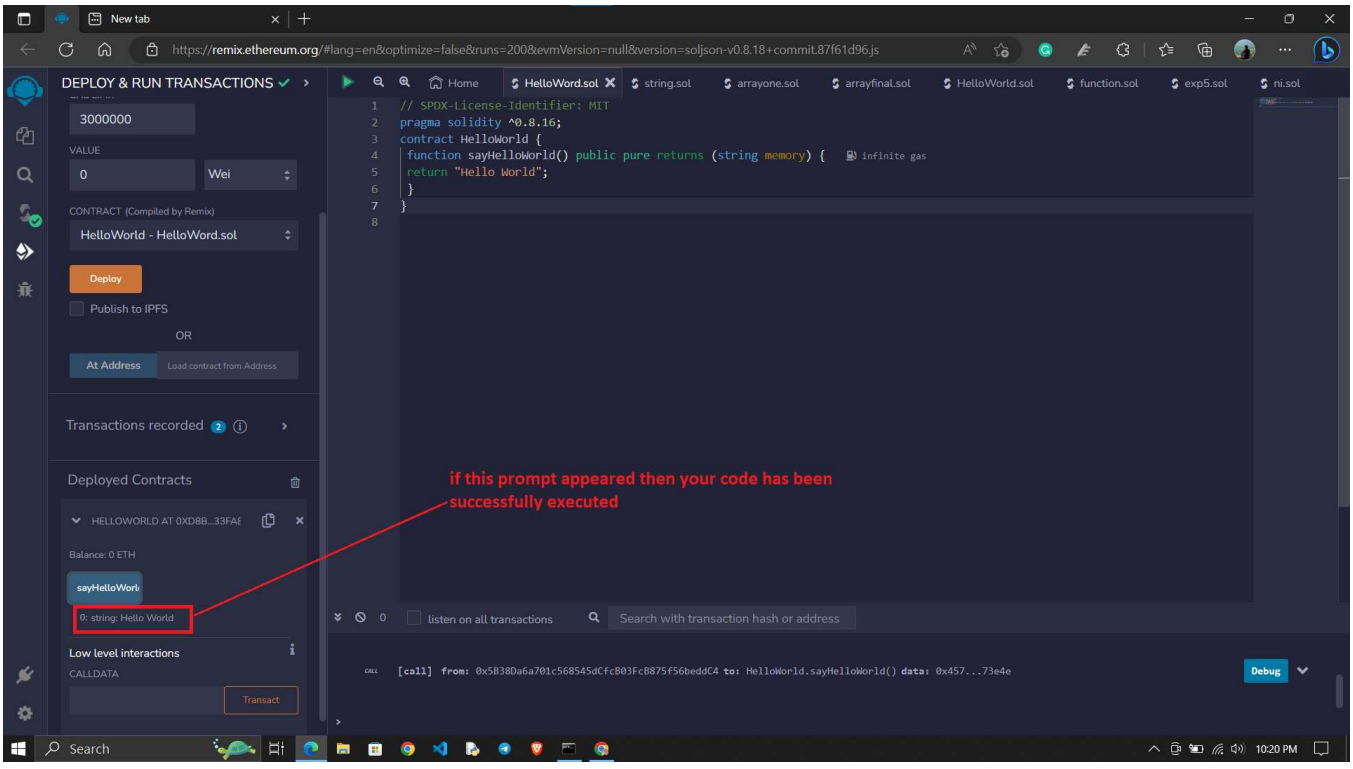





then click here
after that click on deploy button keep remaining as it is...
but only in ni.sol program change environment to
"Injected Provider - Metamask"


2. then click here
1. after clicking on deploy button this green tick will apper





ni.sol

for this program open your `MetaMask` wallet first and then in `Deploy and run transaction` change environment to `"Injected Provider -MetaMask"` and then connect to Metamask wallet. After that follow all steps as it is

```
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.17;
// Creating a contract
contract shreyansh_05
```

```
{
 // Defining a function
 function get_output() public pure returns (string memory){
 return ("Hi, your contract ran successfully");
 }
}
```

HelloWorld.sol

```
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.16;
contract HelloWorld {
 function sayHelloWorld() public pure returns (string memory) {
 return "Hello World";
 }
}
```

Another different program of Helloworld.sol

```
// SPDX-License-Identifier: MIT
// compiler version must be greater than or equal to 0.8.17 and less than 0.9.0
pragma solidity ^0.8.17;
contract HelloWorld {
 string public greet = "Hello World!";
}
```

function.sol

```
                                        // SPDX-License-Identifier: MIT
pragma solidity ^0.8.17;
contract Function {
 // Functions can return multiple values.
 function returnMany() public pure returns (uint, bool, uint) {
 return (1, true, 2);
 }
 // Return values can be named.
 function named() public pure returns (uint x, bool b, uint y)
 {
 return (1, true, 2);
 }
 // Return values can be assigned to their name.
 // In this case the return statement can be omitted.
 function assigned() public pure returns (uint x, bool b, uint y) {
 x = 1;
 b = true;
 y = 2;
 }
 // Use destructuring assignment when calling another
 // function that returns multiple values.
```

```
 function destructuringAssignments()
 public
 pure
 returns (uint, bool, uint, uint, uint)
 {
 (uint i, bool b, uint j) = returnMany();
 // Values can be left out.
 (uint x, , uint y) = (4, 5, 6);
 return (i, b, j, x, y);
 }
 // Cannot use map for either input or output
 // Can use array for input
 function arrayInput(uint[] memory _arr) public {}
 // Can use array for output
 uint[] public arr;
 function arrayOutput() public view returns (uint[] memory) {
 return arr;
 }
}
// Call function with key-value inputs
contract XYZ {
 function someFuncWithManyInputs(
 uint x,
 uint y,
 uint z,
 address a,
 bool b,
 string memory c
 ) public pure returns (uint) {}
 function callFunc() external pure returns (uint) {
 return someFuncWithManyInputs(1, 2, 3, address(0), true, "c");
 }
 function callFuncWithKeyValue() external pure returns (uint) {
 return
 someFuncWithManyInputs({a: address(0), b: true, c: "c", x: 1, y: 2, z: 3});
 }
}
```

In [ ]: