



School: ..... Campus: .....  
Academic Year: ..... Subject Name: ..... Subject Code: .....  
Semester: ..... Program: ..... Branch: ..... Specialization: .....  
Date: .....

## Applied and Action Learning

(Learning by Doing and Discovery)

Name of the Experiment : Know Your TX – Dissecting a Transaction

### Coding Phase: Pseudo Code / Flow Chart / Algorithm

#### ALGORITHM:

1. Start
2. Open remix IDE in browser and create a new file named as SimpleStorage.sol.
3. Write the solidity code in the file SimpleStorage.sol.
4. Now compile that file.
5. Then go to deploy and transaction and deploy the file.
6. Now we will get an address in the deployed contracts copy that address.
7. Now search for etherscan.io in the browser and paste the address you copied.
8. Finally we will get a transaction address.
9. End

#### Software Used:

1. Brave Browser
2. Remix IDE
3. Etherscan

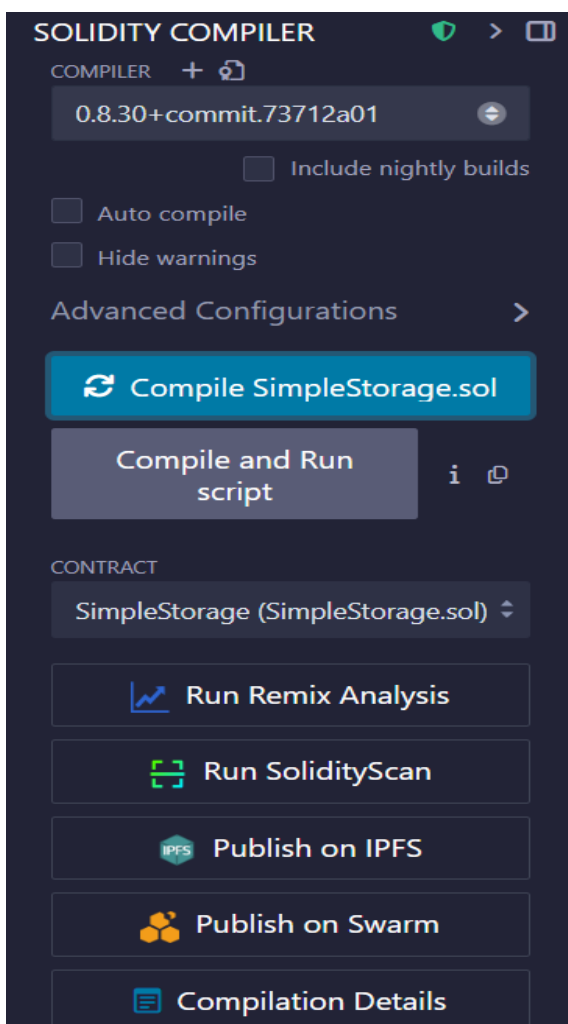
## \*Testing/Implementation Phase:

First create a new file and name it as SimpleStorage.sol and write code in Remix IDE

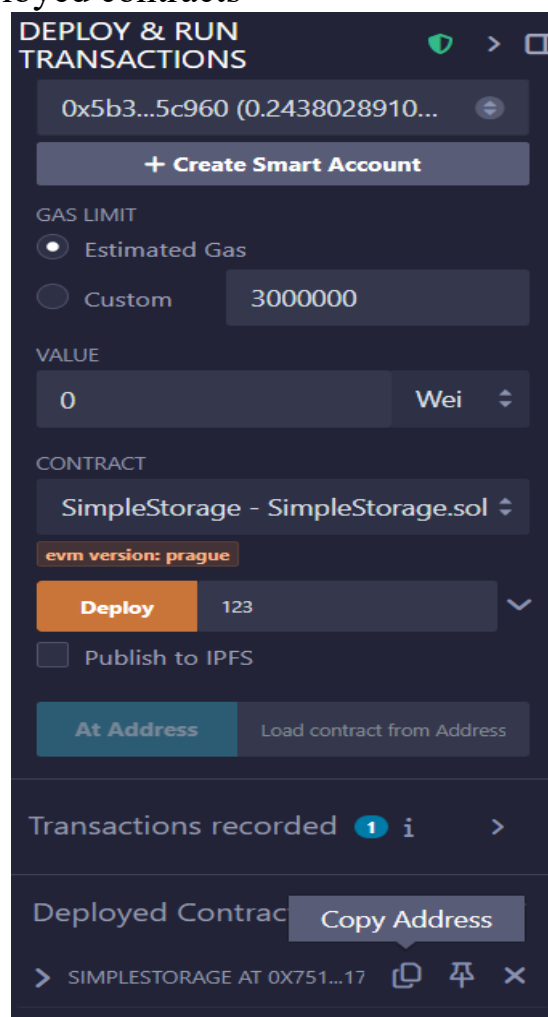
```
//SPDX-License-Identifier: MIT
pragma solidity ^0.8.0;
contract SimpleStorage {
    uint public storedData;

    constructor(uint _data) {
        storedData = _data;
    }
    function set(uint x) public {
        storedData = x;
    }
    function get() public view returns (uint) {
        return storedData;
    }
}
```

Compile the file



Now deploy the file and copy the address from deployed contracts



Now search for ethaerscan in browser and paste the copied address, you will get your whole transaction history done using your metamask or any other wallet.

**Observation Table:**

1. Understand the structure and key components of a blockchain transaction.
2. Learn how to analyze a real transaction on a blockchain explorer.
3. The study demonstrated how transparency and traceability are maintained in blockchain networks through public ledgers.

**ASSESSMENT**

Rubrics	Full Mark	Marks Obtained	Remarks
Concept	10		
Planning and Execution/ Practical Simulation/ Programming	10		
Result and Interpretation	10		
Record of Applied and Action Learning	10		
Viva	10		
<b>Total</b>	<b>50</b>		

**Signature of the Student:**

Name :

Regn. No. :

**Signature of the Faculty:**

Page No.....

*\*As applicable according to the experiment.  
Two sheets per experiment (10-20) to be used.*