



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

### Objective/Aim:

To understand how to trace, view, and analyze Ethereum transactions using a wallet address on **Etherscan**, the most commonly used Ethereum blockchain explorer.

### Apparatus/Software Used:

- ☐ Laptop/PC
- ☐ Word for documentation
- ☐ Internet for research
- ☐ Chrome Browser
- ☐ <https://etherscan.io>

### Theory/Concept:

- ☐ Every transaction on the Ethereum network is publicly recorded and accessible.
- ☐ **Etherscan** allows users to view:
  - ☐ ETH balance of a wallet.
  - ☐ Incoming/outgoing transactions.
  - ☐ Contract creation and interaction details.
  - ☐ Gas usage and fees.
  - ☐ Transaction history by address or hash.

## Procedure:

- ❑ Copy the **Ethereum wallet address** (as seen: `0x08908f2696dabdd413cc901b8d8f6c65b87563e1`).
- ❑ Go to <https://etherscan.io>.
- ❑ **Paste the address in the search bar** and press Enter.
- ❑ The page shows:
  - ❑ Wallet **ETH Balance** (e.g., 0 ETH, \$0.00).
  - ❑ Transaction history (currently **none** as shown).
  - ❑ Options to view **token transfers, analytics, assets**, etc.
- ❑ When there are transactions:
  - ❑ You will see the **Transaction Hash, Method (e.g., Transfer, Contract Call), Block, From, To, Amount**, and **Txn Fee**.

The screenshot shows the Etherscan.io interface for the wallet address `0x08908f2696dabdd413cc901b8d8f6c65b87563e1`. The page displays the ETH balance as 0.215144752836083247 ETH and token holdings as \$0.00 (5 Tokens). The 'Transactions' tab is active, showing a list of transactions. The first transaction is a 'Set' method, block 9429336, 16 days ago, with a transaction hash of 0xcd0a5da0e5... and a transaction fee of 0.00003994 ETH. The second transaction is a 'Contract Call' method, block 9429337, 16 days ago, with a transaction hash of 0x324ff329934... and a transaction fee of 0.00023637 ETH. A cookie notice is visible at the bottom of the transaction list.

Transaction Hash	Method	Block	Age	From	To	Amount	Txn Fee
0xcd0a5da0e5...	Set	9429336	16 days ago	0x08908f26...5B87563e1	0xF57C4879...Fb388e2B0	0 ETH	0.00003994
0x324ff329934...	Contract Call	9429337	16 days ago	0x08908f26...5B87563e1	0xF57C4879...Fb388e2B0	0 ETH	0.00023637

# Observation Table

Parameter	Observed Value
Wallet Address	0x08908f2696dabdd413cc901b8d8f6c65b87563e1
ETH Balance	0 ETH
ETH Value (USD)	\$0.00
Transactions Sent	N/A
Transaction History	No transactions recorded yet
Network Used	Ethereum Mainnet (inferred from etherscan.io)

## 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		
	10		

Signature of the Faculty:

Signature of the Student:

Name :

Regn.No.