



Centurion
UNIVERSITY
*Shaping Lives...
Empowering Communities...*

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 :

* Coding Phase: Pseudo Code / Flow Chart / Algorithm

ALGORITHM:

1. Open blockchain explorer for Bitcoin
2. Locate search bar on the explorer.
3. Enter transaction hash (TXID) and view details.
4. Note transaction info – sender, receiver, amount, fee, block number, status.
5. Enter wallet address and view its balance and transaction history.
6. Click block number to explore block details – hash, miner, transactions, timestamp.
7. Open smart contract address to view code and functions.

* Softwares used

1. Brave Web Browser
2. Blockchain Explorer Website

* Implementation Phase: Final Output (no error)

First open the bitcoin explorer- <https://www.blockchain.com/explorer>

The Ethereum Blockchain Explorer

ETH Price: \$4,759.39 (+1.38%) Gas: 0.812 Gwei

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All Filters Search by Address / Txn Hash / Block / Token / Domain Name

Sponsored: Advertise across our explorers and boost your visibility. [Book your slot here!](#)

ETHER PRICE: \$4,759.39 @ 0.039085 BTC (+1.38%)

MARKET CAP: \$574,498,183,439.00

TRANSACTIONS: 2,940.98 M (20.3 TPS)

MED GAS PRICE: 0.812 Gwei (\$0.08)

TRANSACTION HISTORY IN 14 DAYS

Latest Blocks

Block Number	Miner	Age	Gas Price
23138660	Miner quasarbuilder	17 secs ago	0.01895 Eth
23138659	Miner quasarbuilder	17 secs ago	0.03076 Eth

Latest Transactions

Transaction Hash	From	To	Value
0xff08a8e7343...	From 0x39634336...6fb82Aa49	To 0xF42FeCc4...6Bf39e2eB	0.01678 Eth
0xcbde96fa654...	From 0x39634336...6fb82Aa49	To 0xB4295E3D...d6911020	0.00156 Eth

Then is search bar you can search with address, TXID and Token name

The Ethereum Blockchain Explorer

All Filters 0xe4aD95DdeB8a2C5c1646171850841668E8Ca52E

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After searching will able to see the all details about the transaction like hash, timestamp, status, block number, value, gas price etc.

Sepolia Testnet

Search by Address / Txn Hash / Block / Token

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Transaction Details

Overview Logs (1) State

TRANSACTION ACTION

Transfer 5000000000.00 B OBI to 0xe4aD95DdeB8a2C5c1646171850841668E8Ca52E

[This is a Sepolia Testnet transaction only]

Transaction Hash: 0x3a9de0cf2d542b4e36abd8b3370ab39a557460880d9efcf07dddec2571a8541e8

Status: Success

Block: 8959179 22659 Block Confirmations

Timestamp: 3 days ago (Aug-11-2025 06:03:00 AM UTC)

From: 0xe4aD95DdeB8a2C5c1646171850841668E8Ca52E

Interacted With (To): [0xc66a107374252010dbf0770b57143538f866a294 Created]

ERC-20 Tokens Transferred: All Transfers Net Transfers

* Implementation Phase: Final Output (no error)

Applied and Action Learning

Gas Limit & Usage by Txn:

1,220,865 | 1,210,094 (99.12%)

Gas Fees:

Base: 0.000166635 Gwei | Max: 1.500239596 Gwei | Max Priority: 1.5 Gwei

Burnt & Txn Savings Fees:

Burnt: 0.00000020164401369 ETH (\$0.00)

Txn Savings: 0.00000008828966834 ETH (\$0.00)

Other Attributes:

Txn Type: 2 (EIP-1559)

Nonce: 84

Position In Block: 29

Input Data:

0x6080604052601260025f6101000a81548160ff021916908360ff16021790555034801561002a575f5ffdb50604051611a8e380380611a8e833981810160405281019061004c91906102cd565b825f908161005a919061055c565b50816001908161006a919061055c565b5060025f9054906101000a900460ff1660ff16600a6100899190610787565b8161009491906107d1565b60038190555060035460045f3373fff1673fff1681526020019081526020015f20819055503373fff

View Input As

More Details:

Click to show less

Now you can see all the details of the transactions on a blockchain explorer

* Observations

- 1.The transaction was successfully found on the Bitcoin blockchain using the provided TXID, showing full details such as sender/receiver addresses, amount transferred, and transaction fee.
- 2.The explorer displayed confirmation status, block number, and timestamp, confirming the transaction's inclusion in the blockchain.
- 3.Inputs and outputs were clearly listed, showing how Bitcoin was spent from one address and sent to one or more recipients.

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		
Total	50		

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.**