Academic Report Cover Page

Sed et lacus quis enim mattis nonummy

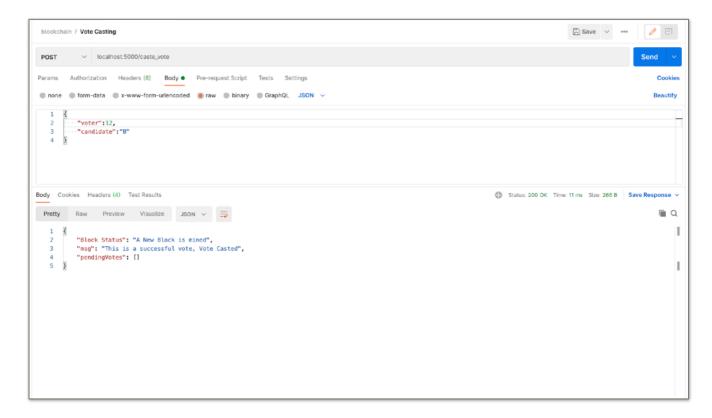
Urna Semper Instructor's Name 5 June 2021

Working of Blockchain

1. Fetching the Blockchain

2. Casting a Vote

3. Mining a block (After 4 Successful Votes)



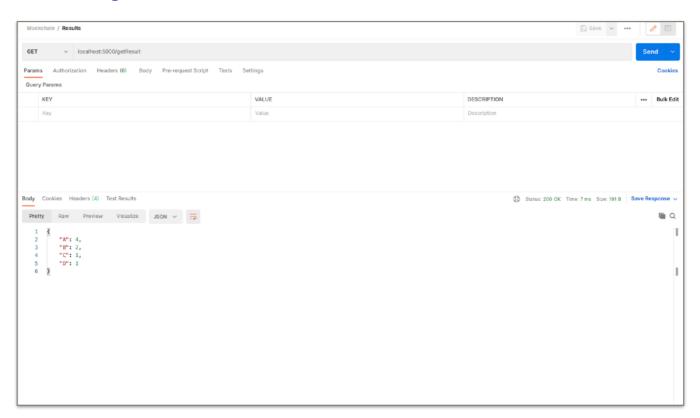
4. Fetching the blockchain (After a new block is added)

```
| Decichate | gatchain | Decichost | Soot | Decichost | Soot | Decichost | Dec
```

5. Blockchain (Added another Block)

```
| Detection / get chain | Decimal continues |
```

6. Voting Results



Decentralising the Blockchain

1. Second Node (With PORT:7000)

```
blookchain / getchain

OET | localbast 7000(syet_chain |

Parama Authoritzatio |

Body Cockles Headers (6) Body Pre-request Script | Tests |

Body Cockles Headers (7) Tests |

Body Cockles Headers (8) Test Results

Pietty |

Raw | Preview Visualize | JSON |

Pietty |

"chain": [

"chain": [

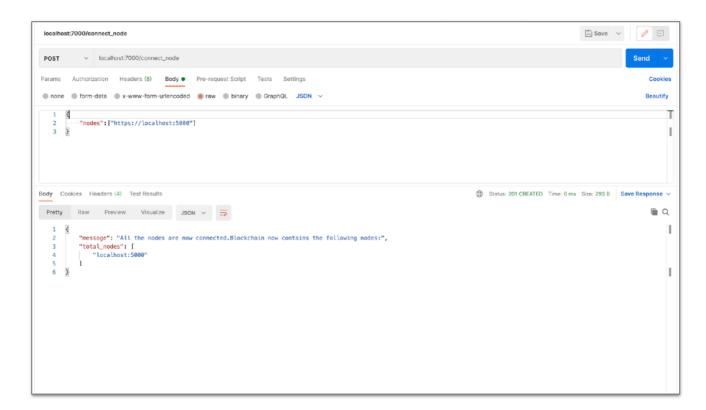
"valian": [

"rength": 1

"inestamp": "2621-06-05 13:09:15.436846" |

] " "terregth": 1
```

2. Adding PORT:5000 Node to the Network

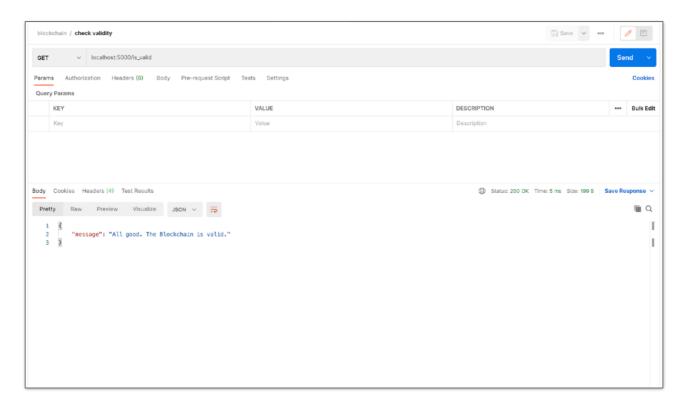


3. Fetching the Longest Chain in the Network

4. Getting on the Blockchain on PORT:7000 node

Checking Validity

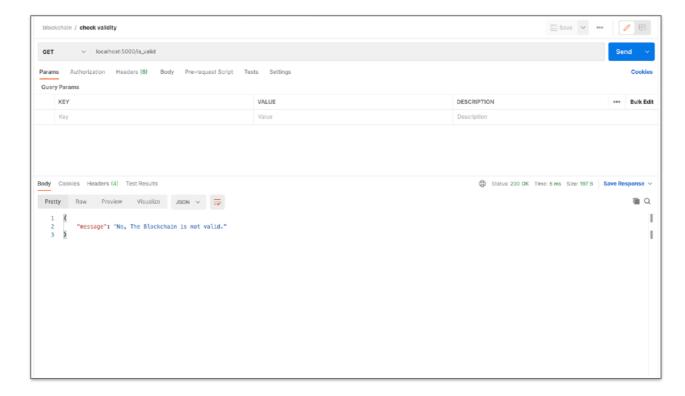
1. Checking the Validity



2. Modifying a data in the Block

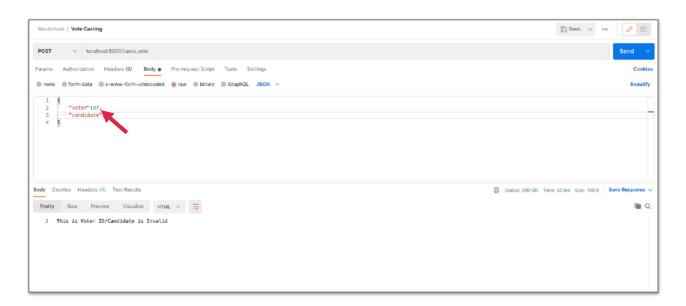
```
blockchain / change data
           localhost:5000/change_data
Params Authorization Headers (6) Body Pre-request Script Tests Settings
Body Cookies Headers (4) Test Results
                                                                                                                    ☼ Statu
Pretty Raw Preview Visualize JSON V
          "block": {
             "VotingTrans": [
                    "candidate": "A",
                    "voter": 1
                                          Earlier it is 'A', now changed to 'B'
                                          check above images.
                    "candidate": "D",
                    "voter": 3
                    "candidate": "B",
                    "voter": 12
  22
             "previous_hash": "9f7f5ec61c576b0f8961811ebfd6fe0c7e9050e930577f1602eb45efeceb6d24",
             "timestamp": "2021-06-05 13:04:16.816793"
          "msg": "Block Data Modified"
```

3. Checking the Blockchain Validity after changing the data

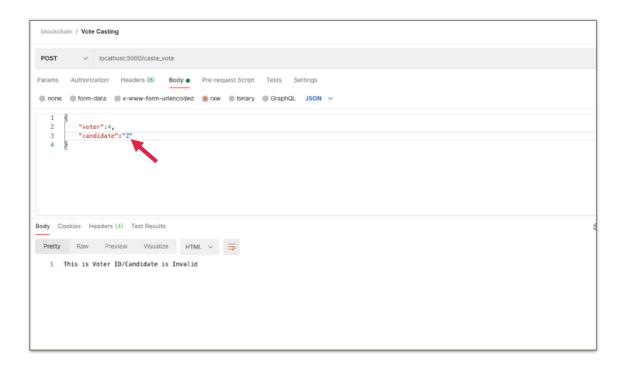


Input Validations

1. Invalid Voter ID



2. Invalid Candidate Name



3. No Required Input

