

Batch: A2      Roll No.:

Experiment No. 5

Grade: AA / AB / BB / BC / CC / CD / DD

Signature of the Staff In-charge with date

Title: Private Blockchain (Truffle Ganache)

#### Implementation Details:

```
// HelloWorld.sol
pragma solidity ^0.8.0;

contract HelloWorld {
    string public greeting;

    constructor() {
        greeting = "Hello, World!";
    }

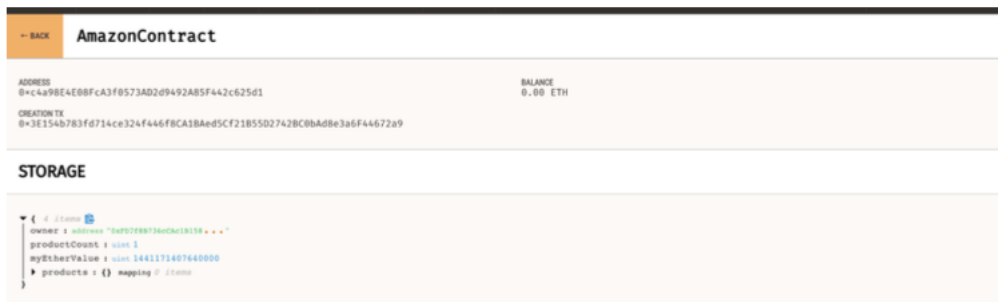
    function setGreeting(string memory _greeting) public {
        greeting = _greeting;
    }

    function getGreeting() public view returns (string memory) {
        return greeting;
    }
}
```

```
}  
}
```

```
> truffle migrate --network development  
  
Compiling your contracts...  
=====  
> Everything is up to date, there is nothing to compile.  
  
Starting migrations...  
=====  
> Network name: 'development'  
> Network id: 1698213895209  
> Block gas limit: 6721975 (0x6691b7)  
  
2_deploy_hello_world.js  
=====  
  
Deploying 'HelloWorld'  
=====  
*** Deployment Failed ***  
  
"HelloWorld" hit an invalid opcode while deploying. Try:  
* Verifying that your constructor params satisfy all assert conditions.  
* Verifying your constructor code doesn't access an array out of bounds.  
* Adding reason strings to your assert statements.  
  
Exiting: Review successful transactions manually by checking the transaction hashes above on Etherscan.
```

## Ganache:



## Conclusion:-

In this experiment, we learnt about how to use Truffle and Ganache for a local testnet for practicing smart contracts.