9.3 Create Blockchain with  ***Geth*** and ***Ganache***

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9.4 Build smart contracts with  ***Truffle Suite***

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Because I already installed the node, so I prefer to skip the installation guideline.

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Allowing *PowerShell* to install program.

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Installing *truffle library*

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Getting started the *Truffle*

*A screenshot of a computer screen

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Create metacoin box

A black screen with colorful text

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Folder Structure of MetaCoin box

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D:\Personal-Project\Blockchain\blockchain-with-truffle\metabox\contracts\MetaCoin.sol

A screenshot of a computer program

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Truffle compile

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*Truffle test* command

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Config *truffle-config.js*

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*Truffle compile* command

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*Truffle migrate*

*A screenshot of a computer program

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Set up smart contracts successfully

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Set up smart contracts in blockchain successfully

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Display transaction report that happen after created smart contracts

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Transaction detail

A screen shot of a computer program

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*let balance = await instance.getBalance(accounts[0])*

*balance.toNumber()*

*let ether = await instance.getBalanceinEth(accounts[0])*

*ether.toNumber()*

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A screen shot of a computer

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*Instance.sendCoin(accounts[1], 500)*

*A screenshot of a computer

Description automatically generated*

*Let received = await instance.getBalance(accounts[1])*

*Received.toNumber()*

*Let newBalance = await instance.getBalance(accounts[0])*

*newBalance.toNumber()*

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New block that created after transaction

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Contract call type

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