

Blockchain Programming

TD5

- Créer un repo github et le partager avec le prof

OK

- Install Truffle & Create a truffle project

truffle version

```
Truffle v5.1.15 (core: 5.1.15)
Solidity - 0.4.21 (solc-js)
Node v13.6.0
Web3.js v1.2.1
```

- Create an ERC20 token contract

See files : SuperCoin.sol

- Implement all ERC20 functions

See files : SuperCoin.sol

- Create a migration to deploy your contract

Ganache			
ACCOUNTS	BLOCKS	TRANSACTIONS	CONTRACTS
CURRENT BLOCK 4	GAS PRICE 20000000000	GAS LIMIT 6721975	HARDFORK PETERSBURG
		NETWORK ID 5777	RPC SERVER HTTP://127.0.0.1:7545
		MINING STATUS AUTOMINING	WORKSPACE FAMOUS-CEMETERY
			SWITCH
NAME Context	ADDRESS Not Deployed	TX COUNT 0	
NAME ERC20	ADDRESS Not Deployed	TX COUNT 0	
NAME IERC20	ADDRESS Not Deployed	TX COUNT 0	
NAME Migrations	ADDRESS Not Deployed	TX COUNT 0	
NAME Ownable	ADDRESS Not Deployed	TX COUNT 0	
NAME SafeMath	ADDRESS Not Deployed	TX COUNT 0	
NAME SuperCoin	ADDRESS 0x60096faaBbe211932d41061da99F43395C5217D0	TX COUNT 0	DEPLOYED

- **Implement customer white listing**

See files : WhiteList.sol