truffle(development)> tokenInstance.name()

'Dapp token'

truffle(development)> tokenInstance.symbol()

'Dapp'

truffle(development)> tokenInstance.totalSupply()

BigNumber { s: 1, e: 6, c: [ 1000000 ] }

truffle(development)> tokenInstance.totalSupply().then(function(s){ supply =s;})

undefined

truffle(development)> supply

BigNumber { s: 1, e: 6, c: [ 1000000 ] }

truffle(development)> supply.toNumber()

1000000

truffle(development)> web3.eth.accounts

[ '0x2a684733fcf1b278d7bc8f73595f13be83e7ab5d',

'0xbc80277b74633c0427f38854606775ddd477a66d',

'0x796f4c5c7a39c1094a4bd87aff09a31826ef14dd',

'0xbe44ec60af83fd60f0933083a4657fc6cf63239a',

'0xb548e0e26827cfa75a425bd933e8d797c7c6e6b8',

'0xfaf6166467676c9a4861c4c9f4e5a786eb01599c',

'0xda8d871130f82813da07f33b293e714bed19484d',

'0xacf13252007c8ccdb3f24c3d4e1ebaf2fbd221c8',

'0x2b779c0a888c4c80f2c966a5d610038349da88d5',

'0x5f8006d86e9de7f36274ed10b36ba2d0f6fec761' ]

truffle(development)> web3.eth.accounts[0]

'0x2a684733fcf1b278d7bc8f73595f13be83e7ab5d'

truffle(development)> admin = web3.eth.accounts[0]

'0x2a684733fcf1b278d7bc8f73595f13be83e7ab5d'

truffle(development)> tokenInstance.balanceOf(admin)

BigNumber { s: 1, e: 6, c: [ 1000000 ] }

truffle(development)> tokenInstance.balanceOf(admin).then(function(bal){ balance = bal;})

undefined

truffle(development)> balance.toNumber

[Function]

truffle(development)> balance.toNumber()

1000000

truffle(development)> receiver = web3.eth.accounts[1]; tokenInstance.tansfer(receiver, 1 ,{from:admin})

TypeError: tokenInstance.tansfer is not a function

truffle(development)> receiver = web3.eth.accounts[1]; tokenInstance.transfer(receiver, 1 ,{from:admin})

{ tx: '0x952d96d0e64c22b1df9e849d290de2375f0b593a84d49fc365e4eb861040a5e9',

receipt:

{ transactionHash: '0x952d96d0e64c22b1df9e849d290de2375f0b593a84d49fc365e4eb861040a5e9',

transactionIndex: 0,

blockHash: '0x73889d119cd19eea0cae8b3b0181e488060786b5b5b1e231b42a780b8b11b858',

blockNumber: 263,

gasUsed: 51130,

cumulativeGasUsed: 51130,

contractAddress: null,

logs: [ [Object] ],

status: '0x1',

logsBloom: '0x00000000000000000000000000000000000000000000000004000000000000000000000000000000000000000000000000008000000000000000000000000400000000000000000000000008000000000000000000000000400000000000000000000000000000000000000000000000000000000000000001000010000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000800000000000000000000000000000002000000000000000000000000010000000000000000000000100000000000000000100000000000000000000000000000000000000000000000000000' },

logs:

[ { logIndex: 0,

transactionIndex: 0,

transactionHash: '0x952d96d0e64c22b1df9e849d290de2375f0b593a84d49fc365e4eb861040a5e9',

blockHash: '0x73889d119cd19eea0cae8b3b0181e488060786b5b5b1e231b42a780b8b11b858',

blockNumber: 263,

address: '0x696c672052919d19ac2e677f4da7330d02748dfd',

type: 'mined',

event: 'Transfer',

args: [Object] } ] }

truffle(development)> tokenInstance.balanceOf(admin)

BigNumber { s: 1, e: 5, c: [ 999999 ] }

truffle(development)> tokenInstance.balanceOf(receiver)

BigNumber { s: 1, e: 0, c: [ 1 ] }

truffle(development)> tokenInstance.approve(web3.eth.accounts[1] , 100)

{ tx: '0x75b84b807ed6e9f0d1f32969ddf770f8ff8dbe46a5ae16d2a0fd7f459180df49',

receipt:

{ transactionHash: '0x75b84b807ed6e9f0d1f32969ddf770f8ff8dbe46a5ae16d2a0fd7f459180df49',

transactionIndex: 0,

blockHash: '0xdb1e2952d494e7bcf2ddd5c370b62c81867395c74b9047f7e432d4974a305211',

blockNumber: 264,

gasUsed: 45225,

cumulativeGasUsed: 45225,

contractAddress: null,

logs: [ [Object] ],

status: '0x1',

logsBloom: '0x00000000000000000000000000000000000000000000000004000000000000000000000000000000000000000000000000008000000000000000000000200400000000000000000000000000000000000000000000000000400000000000000000000000000000000000000000000000000000000000000001000000000000000000000000000000000000000000000000000000000000000000000000000000020000000000000000000000000000000000000800000000000000000000000000000000000000000000000000000000010000000000000000000000100000000010000000100000000000000000000000000000000000000000000000000000' },

logs:

[ { logIndex: 0,

transactionIndex: 0,

transactionHash: '0x75b84b807ed6e9f0d1f32969ddf770f8ff8dbe46a5ae16d2a0fd7f459180df49',

blockHash: '0xdb1e2952d494e7bcf2ddd5c370b62c81867395c74b9047f7e432d4974a305211',

blockNumber: 264,

address: '0x696c672052919d19ac2e677f4da7330d02748dfd',

type: 'mined',

event: 'Approval',

args: [Object] } ] }

truffle(development)> tokenInstance .allowance(web3.eth.accounts[0], web3.eth.accounts[1])

BigNumber { s: 1, e: 2, c: [ 100 ] }

truffle(development)> fromAccount= web3.eth.accounts[2]

'0x796f4c5c7a39c1094a4bd87aff09a31826ef14dd'

truffle(development)>

undefined

truffle(development)> toAccount= web3.eth.accounts[3];

'0xbe44ec60af83fd60f0933083a4657fc6cf63239a'

truffle(development)> spendingAccount= web3.eth.accounts[4];

'0xb548e0e26827cfa75a425bd933e8d797c7c6e6b8'

truffle(development)> tokenInstance.transfer(fromAccount, 100, {from : web3.eth.accounts[0])

SyntaxError: Unexpected token )

at REPLServer.Interface.\_onLine (readline.js:280:10)

at REPLServer.emit (events.js:211:7)

at emitOne (events.js:116:13)

at REPLServer.onLine (repl.js:468:10)

at REPLServer.runBound [as eval] (domain.js:314:12)

at bound (domain.js:301:14)

at ReplManager.interpret (C:\Users\ASUSS\AppData\Roaming\npm\node\_modules\truffle\build\webpack:\packages\truffle-core\lib\repl.js:119:1)

at Console.interpret (C:\Users\ASUSS\AppData\Roaming\npm\node\_modules\truffle\build\webpack:\packages\truffle-core\lib\console.js:164:1)

at Object.runInContext (vm.js:119:10)

at createScript (vm.js:80:10)

truffle(development)> tokenInstance.transfer(fromAccount, 100, {from : web3.eth.accounts[0]}

SyntaxError: missing ) after argument list

at REPLServer.Interface.\_onLine (readline.js:280:10)

at REPLServer.emit (events.js:211:7)

at emitOne (events.js:116:13)

at REPLServer.onLine (repl.js:468:10)

at REPLServer.runBound [as eval] (domain.js:314:12)

at bound (domain.js:301:14)

at ReplManager.interpret (C:\Users\ASUSS\AppData\Roaming\npm\node\_modules\truffle\build\webpack:\packages\truffle-core\lib\repl.js:119:1)

at Console.interpret (C:\Users\ASUSS\AppData\Roaming\npm\node\_modules\truffle\build\webpack:\packages\truffle-core\lib\console.js:164:1)

at Object.runInContext (vm.js:119:10)

at createScript (vm.js:80:10)

truffle(development)> tokenInstance.transfer(fromAccount, 100, {from : web3.eth.accounts[0]})

{ tx: '0x21782aac2dbd512b74876540acb22189dd1fe8cb1a60c208ce508ac50052a9a5',

receipt:

{ transactionHash: '0x21782aac2dbd512b74876540acb22189dd1fe8cb1a60c208ce508ac50052a9a5',

transactionIndex: 0,

blockHash: '0x6481627052bf901e5d9c284cdd5cebb2a207f32d9b4f416e9bcf66f4730779bd',

blockNumber: 265,

gasUsed: 51130,

cumulativeGasUsed: 51130,

contractAddress: null,

logs: [ [Object] ],

status: '0x1',

logsBloom: '0x00000000000000000000000000000000000000000000000004000000000000000000000000000000000000000000000000008000000000000000000000000000000000000000000000000008000000000000000000000000400000000000000000000000000000000000000000000000000000000000000001000010000000000000000000000000000000000000000000000000000000000000000000000000010000000000000000000000000000000000000800000000000000000000000000000002000000000000000000000100010000000000000000000000000000000000000000000000000000000000000000000000000010000000000000000000' },

logs:

[ { logIndex: 0,

transactionIndex: 0,

transactionHash: '0x21782aac2dbd512b74876540acb22189dd1fe8cb1a60c208ce508ac50052a9a5',

blockHash: '0x6481627052bf901e5d9c284cdd5cebb2a207f32d9b4f416e9bcf66f4730779bd',

blockNumber: 265,

address: '0x696c672052919d19ac2e677f4da7330d02748dfd',

type: 'mined',

event: 'Transfer',

args: [Object] } ] }

truffle(development)> tokenInstance.approve(spendingAccount, 10 ,{ from :fromAccount})

{ tx: '0xbc8e52019522b7d077a4dd10ea1706e234c74507ff72349766d24d65cd5f276c',

receipt:

{ transactionHash: '0xbc8e52019522b7d077a4dd10ea1706e234c74507ff72349766d24d65cd5f276c',

transactionIndex: 0,

blockHash: '0x26ef36bd8d7a86bc8425f5ec3963a83dea9bf9b089f44ec794601c941465d9f5',

blockNumber: 266,

gasUsed: 45225,

cumulativeGasUsed: 45225,

contractAddress: null,

logs: [ [Object] ],

status: '0x1',

logsBloom: '0x00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000040000100000000000000000000000200000000000000000000000000000000000000000000000000000400000000000000000000000000000000000000000000000000000000000000001000000000000000000000000000000000000000040000000000000000000000000000000000000030000000000000000000000000000000000000800000000000000000000000000000000000000000000000000000100000000000000000000000000000000000010000000000000000000000000000000000000000010000000000000000000' },

logs:

[ { logIndex: 0,

transactionIndex: 0,

transactionHash: '0xbc8e52019522b7d077a4dd10ea1706e234c74507ff72349766d24d65cd5f276c',

blockHash: '0x26ef36bd8d7a86bc8425f5ec3963a83dea9bf9b089f44ec794601c941465d9f5',

blockNumber: 266,

address: '0x696c672052919d19ac2e677f4da7330d02748dfd',

type: 'mined',

event: 'Approval',

args: [Object] } ] }

truffle(development)> tokenInstance.transferFrom(fromAccount , toAccount, 10, {from : spendingAccount})

{ tx: '0x7eb920038e24ee33361be3465af469b9de1ffd960b0777bba367df7c1f649b55',

receipt:

{ transactionHash: '0x7eb920038e24ee33361be3465af469b9de1ffd960b0777bba367df7c1f649b55',

transactionIndex: 0,

blockHash: '0x03bdc9bd9907c1a23a9c22c346bdf4db3f8c61fb4b571443818b4927fa8aa51e',

blockNumber: 267,

gasUsed: 43311,

cumulativeGasUsed: 43311,

contractAddress: null,

logs: [ [Object] ],

status: '0x1',

logsBloom: '0x00000000000080000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000008000000000000000000000000400000000000000000000000000000000000000000000000000000000000000001000010000000004000000000000000000000000000000000000000000000000000000000000000010000000000000000000000000000000000000800000000800000000000000000000002000000000000000000000100000000000000000000000000000000000000000000000000000000000000000000000000000010000000000000000000' },

logs:

[ { logIndex: 0,

transactionIndex: 0,

transactionHash: '0x7eb920038e24ee33361be3465af469b9de1ffd960b0777bba367df7c1f649b55',

blockHash: '0x03bdc9bd9907c1a23a9c22c346bdf4db3f8c61fb4b571443818b4927fa8aa51e',

blockNumber: 267,

address: '0x696c672052919d19ac2e677f4da7330d02748dfd',

type: 'mined',

event: 'Transfer',

args: [Object] } ] }

truffle(development)> tokenInstance.balanceOf(fromAccount)

BigNumber { s: 1, e: 1, c: [ 90 ] }

truffle(development)> tokenInstance.balanceOf(toAccount)

BigNumber { s: 1, e: 1, c: [ 10 ] }

truffle(development)> tokenInstance.allowance(fromAccount, spendingAccount)

BigNumber { s: 1, e: 0, c: [ 0 ] }