Class Activity 2:

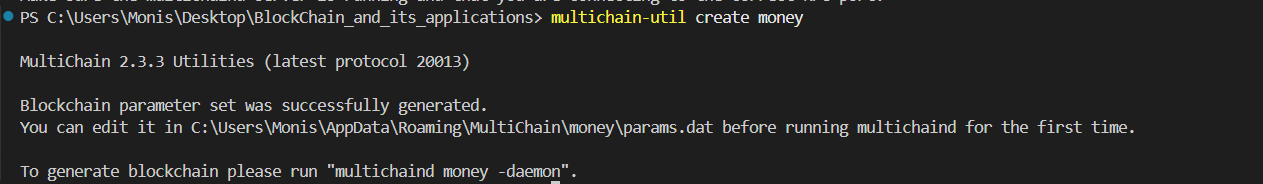
multichain-cli mychain getnewaddress # Asif

multichain-cli mychain getnewaddress # Ali

multichain-cli mychain getnewaddress # Bilal

multichain-cli mychain getnewaddress # Sajid

multichain-cli mychain getnewaddress # Faiza



A screenshot of a computer program

AI-generated content may be incorrect.

New address  
A screen shot of a computer

AI-generated content may be incorrect.

A computer screen with white text

AI-generated content may be incorrect.

Address

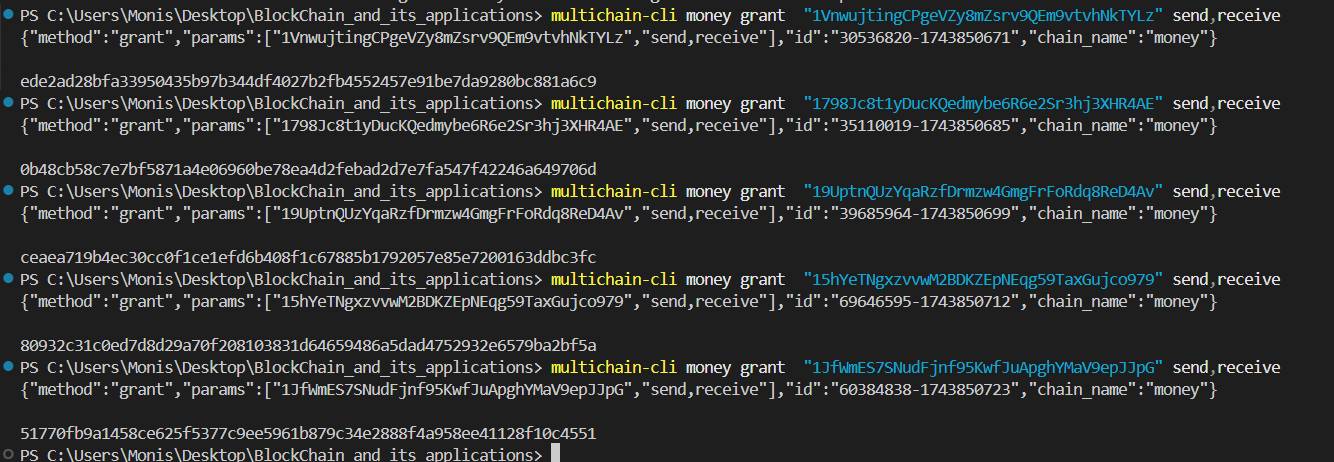
"1VnwujtingCPgeVZy8mZsrv9QEm9vtvhNkTYLz", #Asif

"1798Jc8t1yDucKQedmybe6R6e2Sr3hj3XHR4AE", #Ali

"19UptnQUzYqaRzfDrmzw4GmgFrFoRdq8ReD4Av", #Bilal

"15hYeTNgxzvvwM2BDKZEpNEqg59TaxGujco979", #Sajid

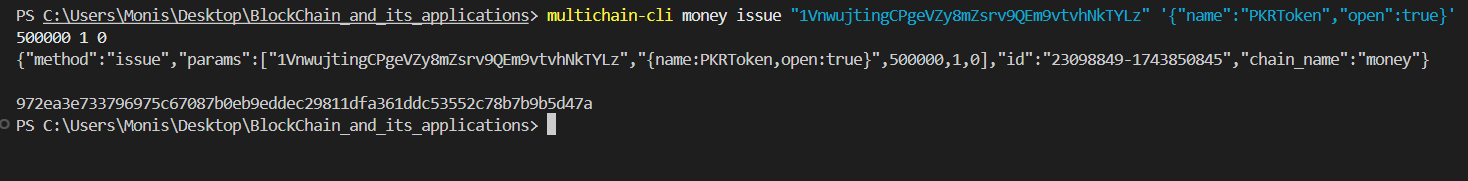
"1JfWmES7SNudFjnf95KwfJuApghYMaV9epJJpG" #Faiza

Grant Permissions  


Assign Money to asif

Asif address : 1VnwujtingCPgeVZy8mZsrv9QEm9vtvhNkTYLz

multichain-cli money issue "1VnwujtingCPgeVZy8mZsrv9QEm9vtvhNkTYLz" '{"name":"PKRToken","open":true}' 500000 1 0



Sending 50,001 to other address with a crude implementation of smurfing

multichain-cli money sendassetfrom "1VnwujtingCPgeVZy8mZsrv9QEm9vtvhNkTYLz" "1798Jc8t1yDucKQedmybe6R6e2Sr3hj3XHR4AE" "{name:PKRToken,open:true}" 50001

sleep 5

multichain-cli money sendassetfrom "1VnwujtingCPgeVZy8mZsrv9QEm9vtvhNkTYLz" "19UptnQUzYqaRzfDrmzw4GmgFrFoRdq8ReD4Av" "{name:PKRToken,open:true}" 50001

sleep 5

multichain-cli money sendassetfrom "1VnwujtingCPgeVZy8mZsrv9QEm9vtvhNkTYLz" "15hYeTNgxzvvwM2BDKZEpNEqg59TaxGujco979" "{name:PKRToken,open:true}" 50001

sleep 5

multichain-cli money sendassetfrom "1VnwujtingCPgeVZy8mZsrv9QEm9vtvhNkTYLz"  "1JfWmES7SNudFjnf95KwfJuApghYMaV9epJJpG" "{name:PKRToken,open:true}" 50001

 A black screen with white text

AI-generated content may be incorrect.

List audit trail

multichain-cli money subscribe "{name:PKRToken,open:true}"

multichain-cli money listassettransactions "{name:PKRToken,open:true}"

Output:

PS C:\Users\Monis\Desktop\BlockChain\_and\_its\_applications\Money\_launder\_Activity> multichain-cli money subscribe "{name:PKRToken,open:true}"

{"method":"subscribe","params":["{name:PKRToken,open:true}"],"id":"29935300-1743852440","chain\_name":"money"}

PS C:\Users\Monis\Desktop\BlockChain\_and\_its\_applications\Money\_launder\_Activity> multichain-cli money listassettransactions "{name:PKRToken,open:true}"

{"method":"listassettransactions","params":["{name:PKRToken,open:true}"],"id":"18385570-1743852444","chain\_name":"money"}

[

{

"addresses" : {

"1VnwujtingCPgeVZy8mZsrv9QEm9vtvhNkTYLz" : 500000

},

"items" : [

],

"data" : [

],

"confirmations" : 54,

"blockhash" : "00ecb407f74690974fa90d21c6ec0825861c497f45fb3ac99066a83a814a18cb",

"blockheight" : 28,

"blockindex" : 1,

"blocktime" : 1743850854,

"txid" : "972ea3e733796975c67087b0eb9eddec29811dfa361ddc53552c78b7b9b5d47a",

"valid" : true,

"time" : 1743850845,

"timereceived" : 1743850845

},

{

"addresses" : {

"1798Jc8t1yDucKQedmybe6R6e2Sr3hj3XHR4AE" : 50001,

"1VnwujtingCPgeVZy8mZsrv9QEm9vtvhNkTYLz" : -50001

},

"items" : [

],

"data" : [

],

"confirmations" : 22,

"blockhash" : "004047f0395331768d437d38b7169910022154b69790d8879705b841b9b331b7",

"blockheight" : 60,

"blockindex" : 1,

"blocktime" : 1743852114,

"txid" : "164861bff6774bcba1c4f2dd21282f74323a77b9082823c14d41a809d7c75444",

"valid" : true,

"time" : 1743852105,

"timereceived" : 1743852105

},

{

"addresses" : {

"1VnwujtingCPgeVZy8mZsrv9QEm9vtvhNkTYLz" : -50001,

"19UptnQUzYqaRzfDrmzw4GmgFrFoRdq8ReD4Av" : 50001

},

"items" : [

],

"data" : [

],

"confirmations" : 19,

"blockhash" : "00c0b7daa501091cfe439b43f018c4f3f4dd1449090ec099e42187a762f61e16",

"blockheight" : 63,

"blockindex" : 1,

"blocktime" : 1743852133,

"txid" : "364673de7fe8d61741461c79582852e9dda86f0681ee1d0b8c42302c92a980cb",

"valid" : true,

"time" : 1743852124,

"timereceived" : 1743852124

},

{

"addresses" : {

"1VnwujtingCPgeVZy8mZsrv9QEm9vtvhNkTYLz" : -50001,

"15hYeTNgxzvvwM2BDKZEpNEqg59TaxGujco979" : 50001

},

"items" : [

],

"data" : [

],

"confirmations" : 11,

"blockhash" : "0038573524f64bb9988ccf236716a68e8343d431f38c1ac9af155f53238a4697",

"blockheight" : 71,

"blockindex" : 1,

"blocktime" : 1743852193,

"txid" : "2ae9bd0f58e532bc28678db91d9b73a2f646a5ae2354b6946f3099cb911f3c61",

"valid" : true,

"time" : 1743852183,

"timereceived" : 1743852183

},

{

"addresses" : {

"1VnwujtingCPgeVZy8mZsrv9QEm9vtvhNkTYLz" : -50001,

"1JfWmES7SNudFjnf95KwfJuApghYMaV9epJJpG" : 50001

},

"items" : [

],

"data" : [

],

"confirmations" : 11,

"blockhash" : "0038573524f64bb9988ccf236716a68e8343d431f38c1ac9af155f53238a4697",

"blockheight" : 71,

"blockindex" : 2,

"blocktime" : 1743852193,

"txid" : "c8852a5d854fbae09c6adcec1b5fc5e0789a0d07c0fa0b1f0244bc0b32b6f14f",

"valid" : true,

"time" : 1743852191,

"timereceived" : 1743852191

}

]

Get transaction per address:

multichain-cli money listaddresstransactions "1VnwujtingCPgeVZy8mZsrv9QEm9vtvhNkTYLz"

multichain-cli money listaddresstransactions "1798Jc8t1yDucKQedmybe6R6e2Sr3hj3XHR4AE"

multichain-cli money listaddresstransactions "19UptnQUzYqaRzfDrmzw4GmgFrFoRdq8ReD4Av"

multichain-cli money listaddresstransactions "15hYeTNgxzvvwM2BDKZEpNEqg59TaxGujco979"

multichain-cli money listaddresstransactions "1JfWmES7SNudFjnf95KwfJuApghYMaV9epJJpG"

Output:

PS C:\Users\Monis\Desktop\BlockChain\_and\_its\_applications\Money\_launder\_Activity> ./transaction\_per.bat

(base) C:\Users\Monis\Desktop\BlockChain\_and\_its\_applications\Money\_Launder\_Activity>multichain-cli money listaddresstransactions "1VnwujtingCPgeVZy8mZsrv9QEm9vtvhNkTYLz"

{"method":"listaddresstransactions","params":["1VnwujtingCPgeVZy8mZsrv9QEm9vtvhNkTYLz"],"id":"77850886-1743852626","chain\_name":"money"}

[

{

"balance" : {

"amount" : 0,

"assets" : [

]

},

"myaddresses" : [

"1VnwujtingCPgeVZy8mZsrv9QEm9vtvhNkTYLz"

],

"addresses" : [

"13fEGkhH19HaPphgoCiqniv38JgJexpKvRPtmY"

],

"permissions" : [

{

"for" : null,

"connect" : false,

"send" : true,

"receive" : true,

"create" : false,

"issue" : false,

"mine" : false,

"admin" : false,

"activate" : false,

"custom" : [

],

"startblock" : 0,

"endblock" : 4294967295,

"timestamp" : 1743850671,

"addresses" : [

"1VnwujtingCPgeVZy8mZsrv9QEm9vtvhNkTYLz"

]

}

],

"items" : [

],

"data" : [

],

"confirmations" : 66,

"blockhash" : "0063648013b58e047f8171f26370a53fb1129a1cb5d8fa2f4102f79a5360ab32",

"blockheight" : 16,

"blockindex" : 1,

"blocktime" : 1743850685,

"txid" : "ede2ad28bfa33950435b97b344df4027b2fb4552457e91be7da9280bc881a6c9",

"valid" : true,

"time" : 1743850671,

"timereceived" : 1743850671

},

{

"balance" : {

"amount" : 0,

"assets" : [

{

"name" : "{name:PKRToken,open:true}",

"assetref" : "28-266-11927",

"qty" : 500000

}

]

},

"myaddresses" : [

"1VnwujtingCPgeVZy8mZsrv9QEm9vtvhNkTYLz"

],

"addresses" : [

"13fEGkhH19HaPphgoCiqniv38JgJexpKvRPtmY"

],

"permissions" : [

],

"issue" : {

"name" : "{name:PKRToken,open:true}",

"assetref" : "28-266-11927",

"multiple" : 1,

"units" : 1,

"open" : false,

"restrict" : {

"send" : false,

"receive" : false,

"issue" : true

},

"fungible" : true,

"canopen" : false,

"canclose" : false,

"totallimit" : null,

"issuelimit" : null,

"details" : {

},

"qty" : 500000,

"raw" : 500000,

"addresses" : [

"1VnwujtingCPgeVZy8mZsrv9QEm9vtvhNkTYLz"

]

},

"items" : [

],

"data" : [

],

"confirmations" : 54,

"blockhash" : "00ecb407f74690974fa90d21c6ec0825861c497f45fb3ac99066a83a814a18cb",

"blockheight" : 28,

"blockindex" : 1,

"blocktime" : 1743850854,

"txid" : "972ea3e733796975c67087b0eb9eddec29811dfa361ddc53552c78b7b9b5d47a",

"valid" : true,

"time" : 1743850845,

"timereceived" : 1743850845

},

{

"balance" : {

"amount" : 0,

"assets" : [

{

"name" : "{name:PKRToken,open:true}",

"assetref" : "28-266-11927",

"qty" : -50001

}

]

},

"myaddresses" : [

"1VnwujtingCPgeVZy8mZsrv9QEm9vtvhNkTYLz"

],

"addresses" : [

"1798Jc8t1yDucKQedmybe6R6e2Sr3hj3XHR4AE"

],

"permissions" : [

],

"items" : [

],

"data" : [

],

"confirmations" : 22,

"blockhash" : "004047f0395331768d437d38b7169910022154b69790d8879705b841b9b331b7",

"blockheight" : 60,

"blockindex" : 1,

"blocktime" : 1743852114,

"txid" : "164861bff6774bcba1c4f2dd21282f74323a77b9082823c14d41a809d7c75444",

"valid" : true,

"time" : 1743852105,

"timereceived" : 1743852105

},

{

"balance" : {

"amount" : 0,

"assets" : [

{

"name" : "{name:PKRToken,open:true}",

"assetref" : "28-266-11927",

"qty" : -50001

}

]

},

"myaddresses" : [

"1VnwujtingCPgeVZy8mZsrv9QEm9vtvhNkTYLz"

],

"addresses" : [

"19UptnQUzYqaRzfDrmzw4GmgFrFoRdq8ReD4Av"

],

"permissions" : [

],

"items" : [

],

"data" : [

],

"confirmations" : 19,

"blockhash" : "00c0b7daa501091cfe439b43f018c4f3f4dd1449090ec099e42187a762f61e16",

"blockheight" : 63,

"blockindex" : 1,

"blocktime" : 1743852133,

"txid" : "364673de7fe8d61741461c79582852e9dda86f0681ee1d0b8c42302c92a980cb",

"valid" : true,

"time" : 1743852124,

"timereceived" : 1743852124

},

{

"balance" : {

"amount" : 0,

"assets" : [

{

"name" : "{name:PKRToken,open:true}",

"assetref" : "28-266-11927",

"qty" : -50001

}

]

},

"myaddresses" : [

"1VnwujtingCPgeVZy8mZsrv9QEm9vtvhNkTYLz"

],

"addresses" : [

"15hYeTNgxzvvwM2BDKZEpNEqg59TaxGujco979"

],

"permissions" : [

],

"items" : [

],

"data" : [

],

"confirmations" : 11,

"blockhash" : "0038573524f64bb9988ccf236716a68e8343d431f38c1ac9af155f53238a4697",

"blockheight" : 71,

"blockindex" : 1,

"blocktime" : 1743852193,

"txid" : "2ae9bd0f58e532bc28678db91d9b73a2f646a5ae2354b6946f3099cb911f3c61",

"valid" : true,

"time" : 1743852183,

"timereceived" : 1743852183

},

{

"balance" : {

"amount" : 0,

"assets" : [

{

"name" : "{name:PKRToken,open:true}",

"assetref" : "28-266-11927",

"qty" : -50001

}

]

},

"myaddresses" : [

"1VnwujtingCPgeVZy8mZsrv9QEm9vtvhNkTYLz"

],

"addresses" : [

"1JfWmES7SNudFjnf95KwfJuApghYMaV9epJJpG"

],

"permissions" : [

],

"items" : [

],

"data" : [

],

"confirmations" : 11,

"blockhash" : "0038573524f64bb9988ccf236716a68e8343d431f38c1ac9af155f53238a4697",

"blockheight" : 71,

"blockindex" : 2,

"blocktime" : 1743852193,

"txid" : "c8852a5d854fbae09c6adcec1b5fc5e0789a0d07c0fa0b1f0244bc0b32b6f14f",

"valid" : true,

"time" : 1743852191,

"timereceived" : 1743852191

}

]

(base) C:\Users\Monis\Desktop\BlockChain\_and\_its\_applications\Money\_Launder\_Activity>multichain-cli money listaddresstransactions "1798Jc8t1yDucKQedmybe6R6e2Sr3hj3XHR4AE"

{"method":"listaddresstransactions","params":["1798Jc8t1yDucKQedmybe6R6e2Sr3hj3XHR4AE"],"id":"91688589-1743852629","chain\_name":"money"}

[

{

"balance" : {

"amount" : 0,

"assets" : [

]

},

"myaddresses" : [

"1798Jc8t1yDucKQedmybe6R6e2Sr3hj3XHR4AE"

],

"addresses" : [

"13fEGkhH19HaPphgoCiqniv38JgJexpKvRPtmY"

],

"permissions" : [

{

"for" : null,

"connect" : false,

"send" : true,

"receive" : true,

"create" : false,

"issue" : false,

"mine" : false,

"admin" : false,

"activate" : false,

"custom" : [

],

"startblock" : 0,

"endblock" : 4294967295,

"timestamp" : 1743850685,

"addresses" : [

"1798Jc8t1yDucKQedmybe6R6e2Sr3hj3XHR4AE"

]

}

],

"items" : [

],

"data" : [

],

"confirmations" : 65,

"blockhash" : "00a6069477f969aee1fb5ca269445480c8480ee5843216a2fb65b528c2bbfc87",

"blockheight" : 17,

"blockindex" : 1,

"blocktime" : 1743850686,

"txid" : "0b48cb58c7e7bf5871a4e06960be78ea4d2febad2d7e7fa547f42246a649706d",

"valid" : true,

"time" : 1743850685,

"timereceived" : 1743850685

},

{

"balance" : {

"amount" : 0,

"assets" : [

{

"name" : "{name:PKRToken,open:true}",

"assetref" : "28-266-11927",

"qty" : 50001

}

]

},

"myaddresses" : [

"1798Jc8t1yDucKQedmybe6R6e2Sr3hj3XHR4AE"

],

"addresses" : [

"1VnwujtingCPgeVZy8mZsrv9QEm9vtvhNkTYLz"

],

"permissions" : [

],

"items" : [

],

"data" : [

],

"confirmations" : 22,

"blockhash" : "004047f0395331768d437d38b7169910022154b69790d8879705b841b9b331b7",

"blockheight" : 60,

"blockindex" : 1,

"blocktime" : 1743852114,

"txid" : "164861bff6774bcba1c4f2dd21282f74323a77b9082823c14d41a809d7c75444",

"valid" : true,

"time" : 1743852105,

"timereceived" : 1743852105

}

]

(base) C:\Users\Monis\Desktop\BlockChain\_and\_its\_applications\Money\_Launder\_Activity>multichain-cli money listaddresstransactions "19UptnQUzYqaRzfDrmzw4GmgFrFoRdq8ReD4Av"

{"method":"listaddresstransactions","params":["19UptnQUzYqaRzfDrmzw4GmgFrFoRdq8ReD4Av"],"id":"66301156-1743852630","chain\_name":"money"}

[

{

"balance" : {

"amount" : 0,

"assets" : [

]

},

"myaddresses" : [

"19UptnQUzYqaRzfDrmzw4GmgFrFoRdq8ReD4Av"

],

"addresses" : [

"13fEGkhH19HaPphgoCiqniv38JgJexpKvRPtmY"

],

"permissions" : [

{

"for" : null,

"connect" : false,

"send" : true,

"receive" : true,

"create" : false,

"issue" : false,

"mine" : false,

"admin" : false,

"activate" : false,

"custom" : [

],

"startblock" : 0,

"endblock" : 4294967295,

"timestamp" : 1743850699,

"addresses" : [

"19UptnQUzYqaRzfDrmzw4GmgFrFoRdq8ReD4Av"

]

}

],

"items" : [

],

"data" : [

],

"confirmations" : 63,

"blockhash" : "00ac68a1856b570fd119b02498d3dece97fcbb211f9f2221a98f114bbd0ec4f3",

"blockheight" : 19,

"blockindex" : 1,

"blocktime" : 1743850717,

"txid" : "ceaea719b4ec30cc0f1ce1efd6b408f1c67885b1792057e85e7200163ddbc3fc",

"valid" : true,

"time" : 1743850699,

"timereceived" : 1743850699

},

{

"balance" : {

"amount" : 0,

"assets" : [

{

"name" : "{name:PKRToken,open:true}",

"assetref" : "28-266-11927",

"qty" : 50001

}

]

},

"myaddresses" : [

"19UptnQUzYqaRzfDrmzw4GmgFrFoRdq8ReD4Av"

],

"addresses" : [

"1VnwujtingCPgeVZy8mZsrv9QEm9vtvhNkTYLz"

],

"permissions" : [

],

"items" : [

],

"data" : [

],

"confirmations" : 19,

"blockhash" : "00c0b7daa501091cfe439b43f018c4f3f4dd1449090ec099e42187a762f61e16",

"blockheight" : 63,

"blockindex" : 1,

"blocktime" : 1743852133,

"txid" : "364673de7fe8d61741461c79582852e9dda86f0681ee1d0b8c42302c92a980cb",

"valid" : true,

"time" : 1743852124,

"timereceived" : 1743852124

}

]

(base) C:\Users\Monis\Desktop\BlockChain\_and\_its\_applications\Money\_Launder\_Activity>multichain-cli money listaddresstransactions "15hYeTNgxzvvwM2BDKZEpNEqg59TaxGujco979"

{"method":"listaddresstransactions","params":["15hYeTNgxzvvwM2BDKZEpNEqg59TaxGujco979"],"id":"15523545-1743852632","chain\_name":"money"}

[

{

"balance" : {

"amount" : 0,

"assets" : [

]

},

"myaddresses" : [

"15hYeTNgxzvvwM2BDKZEpNEqg59TaxGujco979"

],

"addresses" : [

"13fEGkhH19HaPphgoCiqniv38JgJexpKvRPtmY"

],

"permissions" : [

{

"for" : null,

"connect" : false,

"send" : true,

"receive" : true,

"create" : false,

"issue" : false,

"mine" : false,

"admin" : false,

"activate" : false,

"custom" : [

],

"startblock" : 0,

"endblock" : 4294967295,

"timestamp" : 1743850712,

"addresses" : [

"15hYeTNgxzvvwM2BDKZEpNEqg59TaxGujco979"

]

}

],

"items" : [

],

"data" : [

],

"confirmations" : 63,

"blockhash" : "00ac68a1856b570fd119b02498d3dece97fcbb211f9f2221a98f114bbd0ec4f3",

"blockheight" : 19,

"blockindex" : 2,

"blocktime" : 1743850717,

"txid" : "80932c31c0ed7d8d29a70f208103831d64659486a5dad4752932e6579ba2bf5a",

"valid" : true,

"time" : 1743850712,

"timereceived" : 1743850712

},

{

"balance" : {

"amount" : 0,

"assets" : [

{

"name" : "{name:PKRToken,open:true}",

"assetref" : "28-266-11927",

"qty" : 50001

}

]

},

"myaddresses" : [

"15hYeTNgxzvvwM2BDKZEpNEqg59TaxGujco979"

],

"addresses" : [

"1VnwujtingCPgeVZy8mZsrv9QEm9vtvhNkTYLz"

],

"permissions" : [

],

"items" : [

],

"data" : [

],

"confirmations" : 11,

"blockhash" : "0038573524f64bb9988ccf236716a68e8343d431f38c1ac9af155f53238a4697",

"blockheight" : 71,

"blockindex" : 1,

"blocktime" : 1743852193,

"txid" : "2ae9bd0f58e532bc28678db91d9b73a2f646a5ae2354b6946f3099cb911f3c61",

"valid" : true,

"time" : 1743852183,

"timereceived" : 1743852183

}

]

(base) C:\Users\Monis\Desktop\BlockChain\_and\_its\_applications\Money\_Launder\_Activity>multichain-cli money listaddresstransactions "1JfWmES7SNudFjnf95KwfJuApghYMaV9epJJpG"

{"method":"listaddresstransactions","params":["1JfWmES7SNudFjnf95KwfJuApghYMaV9epJJpG"],"id":"80138859-1743852633","chain\_name":"money"}

[

{

"balance" : {

"amount" : 0,

"assets" : [

]

},

"myaddresses" : [

"1JfWmES7SNudFjnf95KwfJuApghYMaV9epJJpG"

],

"addresses" : [

"13fEGkhH19HaPphgoCiqniv38JgJexpKvRPtmY"

],

"permissions" : [

{

"for" : null,

"connect" : false,

"send" : true,

"receive" : true,

"create" : false,

"issue" : false,

"mine" : false,

"admin" : false,

"activate" : false,

"custom" : [

],

"startblock" : 0,

"endblock" : 4294967295,

"timestamp" : 1743850723,

"addresses" : [

"1JfWmES7SNudFjnf95KwfJuApghYMaV9epJJpG"

]

}

],

"items" : [

],

"data" : [

],

"confirmations" : 62,

"blockhash" : "00b59ae18afc7ba33210eca107740730e0cd06e0934470ac66e94e151460939e",

"blockheight" : 20,

"blockindex" : 1,

"blocktime" : 1743850730,

"txid" : "51770fb9a1458ce625f5377c9ee5961b879c34e2888f4a958ee41128f10c4551",

"valid" : true,

"time" : 1743850723,

"timereceived" : 1743850723

},

{

"balance" : {

"amount" : 0,

"assets" : [

{

"name" : "{name:PKRToken,open:true}",

"assetref" : "28-266-11927",

"qty" : 50001

}

]

},

"myaddresses" : [

"1JfWmES7SNudFjnf95KwfJuApghYMaV9epJJpG"

],

"addresses" : [

"1VnwujtingCPgeVZy8mZsrv9QEm9vtvhNkTYLz"

],

"permissions" : [

],

"items" : [

],

"data" : [

],

"confirmations" : 11,

"blockhash" : "0038573524f64bb9988ccf236716a68e8343d431f38c1ac9af155f53238a4697",

"blockheight" : 71,

"blockindex" : 2,

"blocktime" : 1743852193,

"txid" : "c8852a5d854fbae09c6adcec1b5fc5e0789a0d07c0fa0b1f0244bc0b32b6f14f",

"valid" : true,

"time" : 1743852191,

"timereceived" : 1743852191

}

]