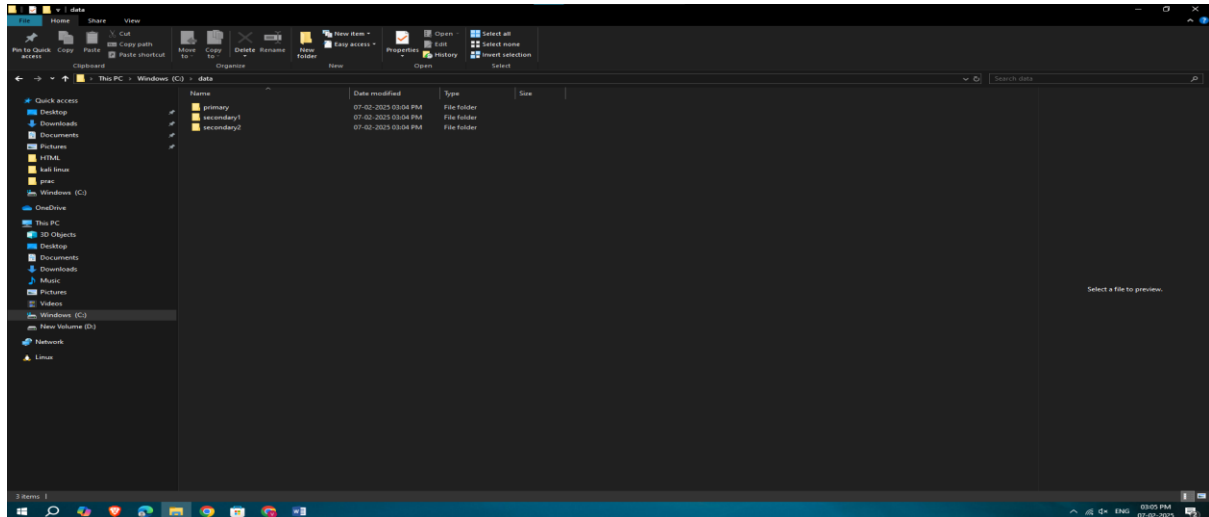


PRACTICAL NO – 6

Aim: Replication using Mongoddb

Step 1: Go to file manager > local C >file data>create three folder
>primary, secondary1, secondary2



Step 2: Go to Window power shell and Create 3 port on new window powershell:2717, 2727, 2737

Code:

```
mongod --port=2717 --dbpath="C:\data\primary" --replSet="test-  
replica-set"
```

Output:

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/powershell

PS C:\Users\Admin> mongod --port=2717 --dbpath="C:\data\primary" --replSet="test-replica-set"
{"t":{"$date":"2025-02-07T15:41:25.040+05:30"},"s":"I", "c":"CONTROL", "id":23285, "ctx":"-","msg":"Automatically discovered node","nodeId":1,"name":"127.0.0.1:2717","parent":null,"_id":1,"_source":null,"_id2":1,"_source2":null,"_id3":1,"_source3":null,"_id4":1,"_source4":null,"_id5":1,"_source5":null,"_id6":1,"_source6":null,"_id7":1,"_source7":null,"_id8":1,"_source8":null,"_id9":1,"_source9":null,"_id10":1,"_source10":null,"_id11":1,"_source11":null,"_id12":1,"_source12":null,"_id13":1,"_source13":null,"_id14":1,"_source14":null,"_id15":1,"_source15":null,"_id16":1,"_source16":null,"_id17":1,"_source17":null,"_id18":1,"_source18":null,"_id19":1,"_source19":null,"_id20":1,"_source20":null,"_id21":1,"_source21":null,"_id22":1,"_source22":null,"_id23":1,"_source23":null,"_id24":1,"_source24":null,"_id25":1,"_source25":null,"_id26":1,"_source26":null,"_id27":1,"_source27":null,"_id28":1,"_source28":null,"_id29":1,"_source29":null,"_id30":1,"_source30":null,"_id31":1,"_source31":null,"_id32":1,"_source32":null,"_id33":1,"_source33":null,"_id34":1,"_source34":null,"_id35":1,"_source35":null,"_id36":1,"_source36":null,"_id37":1,"_source37":null,"_id38":1,"_source38":null,"_id39":1,"_source39":null,"_id40":1,"_source40":null,"_id41":1,"_source41":null,"_id42":1,"_source42":null,"_id43":1,"_source43":null,"_id44":1,"_source44":null,"_id45":1,"_source45":null,"_id46":1,"_source46":null,"_id47":1,"_source47":null,"_id48":1,"_source48":null,"_id49":1,"_source49":null,"_id50":1,"_source50":null,"_id51":1,"_source51":null,"_id52":1,"_source52":null,"_id53":1,"_source53":null,"_id54":1,"_source54":null,"_id55":1,"_source55":null,"_id56":1,"_source56":null,"_id57":1,"_source57":null,"_id58":1,"_source58":null,"_id59":1,"_source59":null,"_id60":1,"_source60":null,"_id61":1,"_source61":null,"_id62":1,"_source62":null,"_id63":1,"_source63":null,"_id64":1,"_source64":null,"_id65":1,"_source65":null,"_id66":1,"_source66":null,"_id67":1,"_source67":null,"_id68":1,"_source68":null,"_id69":1,"_source69":null,"_id70":1,"_source70":null,"_id71":1,"_source71":null,"_id72":1,"_source72":null,"_id73":1,"_source73":null,"_id74":1,"_source74":null,"_id75":1,"_source75":null,"_id76":1,"_source76":null,"_id77":1,"_source77":null,"_id78":1,"_source78":null,"_id79":1,"_source79":null,"_id80":1,"_source80":null,"_id81":1,"_source81":null,"_id82":1,"_source82":null,"_id83":1,"_source83":null,"_id84":1,"_source84":null,"_id85":1,"_source85":null,"_id86":1,"_source86":null,"_id87":1,"_source87":null,"_id88":1,"_source88":null,"_id89":1,"_source89":null,"_id90":1,"_source90":null,"_id91":1,"_source91":null,"_id92":1,"_source92":null,"_id93":1,"_source93":null,"_id94":1,"_source94":null,"_id95":1,"_source95":null,"_id96":1,"_source96":null,"_id97":1,"_source97":null,"_id98":1,"_source98":null,"_id99":1,"_source99":null,"_id100":1,"_source100":null,"_id101":1,"_source101":null,"_id102":1,"_source102":null,"_id103":1,"_source103":null,"_id104":1,"_source104":null,"_id105":1,"_source105":null,"_id106":1,"_source106":null,"_id107":1,"_source107":null,"_id108":1,"_source108":null,"_id109":1,"_source109":null,"_id110":1,"_source110":null,"_id111":1,"_source111":null,"_id112":1,"_source112":null,"_id113":1,"_source113":null,"_id114":1,"_source114":null,"_id115":1,"_source115":null,"_id116":1,"_source116":null,"_id117":1,"_source117":null,"_id118":1,"_source118":null,"_id119":1,"_source119":null,"_id120":1,"_source120":null,"_id121":1,"_source121":null,"_id122":1,"_source122":null,"_id123":1,"_source123":null,"_id124":1,"_source124":null,"_id125":1,"_source125":null,"_id126":1,"_source126":null,"_id127":1,"_source127":null,"_id128":1,"_source128":null,"_id129":1,"_source129":null,"_id130":1,"_source130":null,"_id131":1,"_source131":null,"_id132":1,"_source132":null,"_id133":1,"_source133":null,"_id134":1,"_source134":null,"_id135":1,"_source135":null,"_id136":1,"_source136":null,"_id137":1,"_source137":null,"_id138":1,"_source138":null,"_id139":1,"_source139":null,"_id140":1,"_source140":null,"_id141":1,"_source141":null,"_id142":1,"_source142":null,"_id143":1,"_source143":null,"_id144":1,"_source144":null,"_id145":1,"_source145":null,"_id146":1,"_source146":null,"_id147":1,"_source147":null,"_id148":1,"_source148":null,"_id149":1,"_source149":null,"_id150":1,"_source150":null,"_id151":1,"_source151":null,"_id152":1,"_source152":null,"_id153":1,"_source153":null,"_id154":1,"_source154":null,"_id155":1,"_source155":null,"_id156":1,"_source156":null,"_id157":1,"_source157":null,"_id158":1,"_source158":null,"_id159":1,"_source159":null,"_id160":1,"_source160":null,"_id161":1,"_source161":null,"_id162":1,"_source162":null,"_id163":1,"_source163":null,"_id164":1,"_source164":null,"_id165":1,"_source165":null,"_id166":1,"_source166":null,"_id167":1,"_source167":null,"_id168":1,"_source168":null,"_id169":1,"_source169":null,"_id170":1,"_source170":null,"_id171":1,"_source171":null,"_id172":1,"_source172":null,"_id173":1,"_source173":null,"_id174":1,"_source174":null,"_id175":1,"_source175":null,"_id176":1,"_source176":null,"_id177":1,"_source177":null,"_id178":1,"_source178":null,"_id179":1,"_source179":null,"_id180":1,"_source180":null,"_id181":1,"_source181":null,"_id182":1,"_source182":null,"_id183":1,"_source183":null,"_id184":1,"_source184":null,"_id185":1,"_source185":null,"_id186":1,"_source186":null,"_id187":1,"_source187":null,"_id188":1,"_source188":null,"_id189":1,"_source189":null,"_id190":1,"_source190":null,"_id191":1,"_source191":null,"_id192":1,"_source192":null,"_id193":1,"_source193":null,"_id194":1,"_source194":null,"_id195":1,"_source195":null,"_id196":1,"_source196":null,"_id197":1,"_source197":null,"_id198":1,"_source198":null,"_id199":1,"_source199":null,"_id200":1,"_source200":null,"_id201":1,"_source201":null,"_id202":1,"_source202":null,"_id203":1,"_source203":null,"_id204":1,"_source204":null,"_id205":1,"_source205":null,"_id206":1,"_source206":null,"_id207":1,"_source207":null,"_id208":1,"_source208":null,"_id209":1,"_source209":null,"_id210":1,"_source210":null,"_id211":1,"_source211":null,"_id212":1,"_source212":null,"_id213":1,"_source213":null,"_id214":1,"_source214":null,"_id215":1,"_source215":null,"_id216":1,"_source216":null,"_id217":1,"_source217":null,"_id218":1,"_source218":null,"_id219":1,"_source219":null,"_id220":1,"_source220":null,"_id221":1,"_source221":null,"_id222":1,"_source222":null,"_id223":1,"_source223":null,"_id224":1,"_source224":null,"_id225":1,"_source225":null,"_id226":1,"_source226":null,"_id227":1,"_source227":null,"_id228":1,"_source228":null,"_id229":1,"_source229":null,"_id230":1,"_source230":null,"_id231":1,"_source231":null,"_id232":1,"_source232":null,"_id233":1,"_source233":null,"_id234":1,"_source234":null,"_id235":1,"_source235":null,"_id236":1,"_source236":null,"_id237":1,"_source237":null,"_id238":1,"_source238":null,"_id239":1,"_source239":null,"_id240":1,"_source240":null,"_id241":1,"_source241":null,"_id242":1,"_source242":null,"_id243":1,"_source243":null,"_id244":1,"_source244":null,"_id245":1,"_source245":null,"_id246":1,"_source246":null,"_id247":1,"_source247":null,"_id248":1,"_source248":null,"_id249":1,"_source249":null,"_id250":1,"_source250":null,"_id251":1,"_source251":null,"_id252":1,"_source252":null,"_id253":1,"_source253":null,"_id254":1,"_source254":null,"_id255":1,"_source255":null,"_id256":1,"_source256":null,"_id257":1,"_source257":null,"_id258":1,"_source258":null,"_id259":1,"_source259":null,"_id260":1,"_source
```

Code:

```
mongod --port=2727 --dbpath="C:\data\secondary1" --replSet="test-replica-set"
```

Output:

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\Admin> mongod --port=2727 --dbpath="C:\data\secondary1" --replSet="test-replica-set"
{"t":{"$date":"2025-02-07T15:44:09.925+05:30"},"s":"I", "c":"CONTROL", "id":23285, "ctx":"-", "msg":"Automatically disabling TLS 1.0, t
{"t":{"$date":"2025-02-07T15:44:11.150+05:30"},"s":"I", "c":"NETWORK", "id":4915701, "ctx":"thread1", "msg":"Initialized wire specificati
axWireVersion":17}, "outgoing":{"minWireVersion":6, "maxWireVersion":17}, "isInternalClient":true}}}
{"t":{"$date":"2025-02-07T15:44:11.151+05:30"},"s":"I", "c":"NETWORK", "id":4648602, "ctx":"thread1", "msg":"Implicit TCP FastOpen in use
{"t":{"$date":"2025-02-07T15:44:11.153+05:30"},"s":"I", "c":"REPL", "id":5123008, "ctx":"thread1", "msg":"Successfully registered Prim
{"t":{"$date":"2025-02-07T15:44:11.153+05:30"},"s":"I", "c":"REPL", "id":5123008, "ctx":"thread1", "msg":"Successfully registered Prim
{"t":{"$date":"2025-02-07T15:44:11.153+05:30"},"s":"I", "c":"REPL", "id":5123008, "ctx":"thread1", "msg":"Successfully registered Prim
{"t":{"$date":"2025-02-07T15:44:11.155+05:30"},"s":"I", "c":"CONTROL", "id":5945603, "ctx":"thread1", "msg":"Multi threading initialized"
{"t":{"$date":"2025-02-07T15:44:11.155+05:30"},"s":"I", "c":"CONTROL", "id":4615611, "ctx":"initandlisten", "msg":"MongoDB starting", "att
{"t":{"$date":"2025-02-07T15:44:11.155+05:30"},"s":"I", "c":"CONTROL", "id":23398, "ctx":"initandlisten", "msg":"Target operating syste
{"t":{"$date":"2025-02-07T15:44:11.155+05:30"},"s":"I", "c":"CONTROL", "id":23403, "ctx":"initandlisten", "msg":"Build Info", "attr":{"b
t":{"distmod":"windows", "distarch":"x86_64", "target_arch":"x86_64"}}}
{"t":{"$date":"2025-02-07T15:44:11.155+05:30"},"s":"I", "c":"CONTROL", "id":51765, "ctx":"initandlisten", "msg":"Operating System", "att
{"t":{"$date":"2025-02-07T15:44:11.155+05:30"},"s":"I", "c":"CONTROL", "id":21951, "ctx":"initandlisten", "msg":"Options set by command
```

Code:

```
mongod --port=2737 --dbpath="C:\data\secondary2" --replSet="test-replica-set"
```

Output:

```
Windows PowerShell
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PS C:\Users\Admin> mongod --port=2737 --dbpath="C:\data\secondary2" --replSet="test-replica-set"
{"t":{"$date":"2025-02-07T15:45:26.195+05:30"},"s":"I", "c":"CONTROL", "id":23285, "ctx":"-", "msg":"Automatica
{"t":{"$date":"2025-02-07T15:45:26.200+05:30"},"s":"I", "c":"NETWORK", "id":4915701, "ctx":"thread1", "msg":"Initi
axWireVersion":17}, "outgoing":{"minWireVersion":6, "maxWireVersion":17}, "isInternalClient":true}}}
{"t":{"$date":"2025-02-07T15:45:27.436+05:30"},"s":"I", "c":"NETWORK", "id":4648602, "ctx":"thread1", "msg":"Impli
{"t":{"$date":"2025-02-07T15:45:27.438+05:30"},"s":"I", "c":"REPL", "id":5123008, "ctx":"thread1", "msg":"Succe
{"t":{"$date":"2025-02-07T15:45:27.438+05:30"},"s":"I", "c":"REPL", "id":5123008, "ctx":"thread1", "msg":"Succe
{"t":{"$date":"2025-02-07T15:45:27.438+05:30"},"s":"I", "c":"REPL", "id":5123008, "ctx":"thread1", "msg":"Succe
{"t":{"$date":"2025-02-07T15:45:27.438+05:30"},"s":"I", "c":"CONTROL", "id":5945603, "ctx":"thread1", "msg":"Multi
{"t":{"$date":"2025-02-07T15:45:27.439+05:30"},"s":"I", "c":"CONTROL", "id":4615611, "ctx":"initandlisten", "msg":
{"t":{"$date":"2025-02-07T15:45:27.439+05:30"},"s":"I", "c":"CONTROL", "id":23398, "ctx":"initandlisten", "msg":
{"t":{"$date":"2025-02-07T15:45:27.439+05:30"},"s":"I", "c":"CONTROL", "id":23403, "ctx":"initandlisten", "msg":
t":{"distmod":"windows", "distarch":"x86_64", "target_arch":"x86_64"}}}
{"t":{"$date":"2025-02-07T15:45:27.439+05:30"},"s":"I", "c":"CONTROL", "id":51765, "ctx":"initandlisten", "msg":
{"t":{"$date":"2025-02-07T15:45:27.440+05:30"},"s":"I", "c":"CONTROL", "id":21951, "ctx":"initandlisten", "msg":
}}}}
{"t":{"$date":"2025-02-07T15:45:27.442+05:30"},"s":"I", "c":"STORAGE", "id":22315, "ctx":"initandlisten", "msg":
log=(enabled=true,remove=true,path=journal,compressor=snappy),builtin_extension_config=(zstd=(compression_level=6))
process=1, checkpoint=process=1, compact=process=1, backup=0, checkpoint=0, compact=0, quiet=0, history, stop=0, recover
```

Step 3: Open new window powershell

Code:

```
mongosh --host="localhost:2717"
```

Output:

```
PS C:\Users\Admin> mongosh --host="localhost:2717"
Current Mongosh Log ID: 67a5dd929c4a73340650d095
Connecting to:      mongodb://localhost:2717/?directConnection=true&serverSelectionTimeout
1.4
MongoServerError: Server selection timed out after 2000 ms
PS C:\Users\Admin> mongosh --host="localhost:2717"
Current Mongosh Log ID: 67a5ddad557f7b73e5f010b7
Connecting to:      mongodb://localhost:2717/?directConnection=true&serverSelectionTimeout
1.4
Using MongoDB:      6.0.13
Using Mongosh:      2.1.4
mongosh 2.3.9 is available for download: https://www.mongodb.com/try/download/shell
For mongosh info see: https://docs.mongodb.com/mongodb-shell/

-----
The server generated these startup warnings when booting
  2025-02-07T15:41:26.705+05:30: Access control is not enabled for the database. Read and wr
figuration is unrestricted
  2025-02-07T15:41:26.706+05:30: This server is bound to localhost. Remote systems will be u
rver. Start the server with --bind_ip <address> to specify which IP addresses it should serve
bind_ip_all to bind to all interfaces. If this behavior is desired, start the server with --b
this warning
-----
```

Code:

```
rs.initiate()
```

Output:

```
test> rs.inititate()
TypeError: rs.inititate is not a function
test> rs.initiate()
{
  info2: 'no configuration specified. Using a default configuration for the set',
  me: 'localhost:2717',
  ok: 1
}
test-replica-set [direct: other] test>
```

Code:

```
rs.add({host:"localhost:2727"});
```

Output:

```
test-replica-set [direct: other] test> rs.add({host:"localhost:2727"});
{
  ok: 1,
  '$clusterTime': {
    clusterTime: Timestamp({ t: 1738922990, i: 1 }),
    signature: {
      hash: Binary.createFromBase64('AAAAAAAAAAAAAAAAAAAAAAAAAAAA=', 0),
      keyId: Long('0')
    }
  },
  operationTime: Timestamp({ t: 1738922990, i: 1 })
}
test-replica-set [direct: primary] test> _
```

Code:

```
rs.add({host:"localhost:2737"});
```

Output:

```
test-replica-set [direct: primary] test> rs.add({host:"localhost:2737"});
{
  ok: 1,
  '$clusterTime': {
    clusterTime: Timestamp({ t: 1738923119, i: 1 }),
    signature: {
      hash: Binary.createFromBase64('AAAAAAAAAAAAAAAAAAAAAAAAAAAA=', 0),
      keyId: Long('0')
    }
  },
  operationTime: Timestamp({ t: 1738923119, i: 1 })
}
test-replica-set [direct: primary] test> AAA_
```

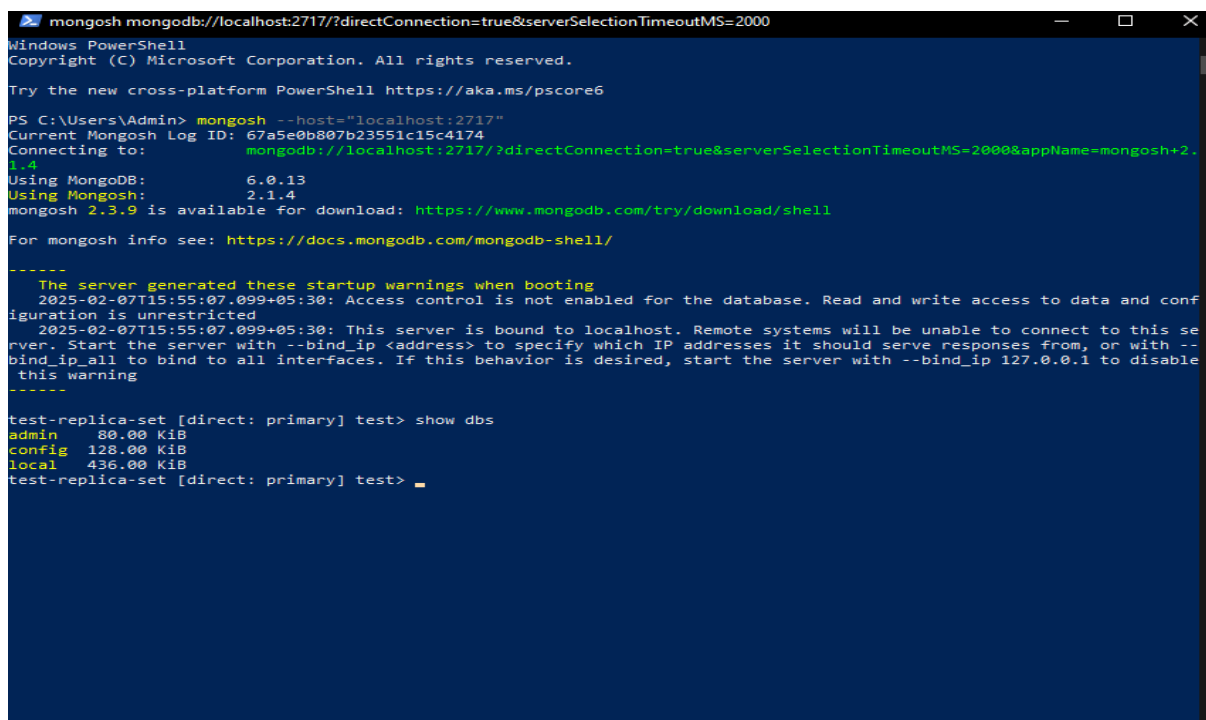
Step 4: Open new 3 window shell and perform the following code

Code:

```
mongosh --host="localhost:2717"
```

```
show dbs
```

Output:



```
mongosh mongod://localhost:2717/?directConnection=true&serverSelectionTimeoutMS=2000
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\Admin> mongosh --host="localhost:2717"
Current Mongosh Log ID: 67a5e0b807b23551c15c4174
Connecting to: mongod://localhost:2717/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.1.4
Using MongoDB: 6.0.13
Using Mongosh: 2.1.4
mongosh 2.3.9 is available for download: https://www.mongodb.com/try/download/shell

For mongosh info see: https://docs.mongodb.com/mongosh-shell/

-----
The server generated these startup warnings when booting
2025-02-07T15:55:07.099+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
2025-02-07T15:55:07.099+05:30: This server is bound to localhost. Remote systems will be unable to connect to this server. Start the server with --bind_ip <address> to specify which IP addresses it should serve responses from, or with --bind_ip_all to bind to all interfaces. If this behavior is desired, start the server with --bind_ip 127.0.0.1 to disable this warning
-----

test-replica-set [direct: primary] test> show dbs
admin      80.00 KiB
config    128.00 KiB
local     436.00 KiB
test-replica-set [direct: primary] test> _
```

Code:

```
mongosh --host="localhost:2727"
```

```
show dbs
```

Output:

```
mongosh mongodb://localhost:2727/?directConnection=true&serverSelectionTimeoutMS=2000
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\Admin> mongosh --host="localhost:2727"
Current Mongosh Log ID: 67a5e0c96b6748adc143e3b
Connecting to:  mongodb://localhost:2727/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+
1.4
Using MongoDB:      6.0.13
Using Mongosh:      2.1.4
mongosh 2.3.9 is available for download: https://www.mongodb.com/try/download/shell

For mongosh info see: https://docs.mongodb.com/mongodb-shell/

-----
The server generated these startup warnings when booting
2025-02-07T15:55:23.314+05:30: Access control is not enabled for the database. Read and write access to data and co
figuration is unrestricted
2025-02-07T15:55:23.314+05:30: This server is bound to localhost. Remote systems will be unable to connect to this
server. Start the server with --bind_ip <address> to specify which IP addresses it should serve responses from, or with
bind_ip_all to bind to all interfaces. If this behavior is desired, start the server with --bind_ip 127.0.0.1 to disab
this warning
-----

test-replica-set [direct: secondary] test> show dbs
admin      80.00 KiB
config    220.00 KiB
local     436.00 KiB
test-replica-set [direct: secondary] test>
```

Code:

```
mongosh --host="localhost:2737"
```

```
show dbs
```

Output:

```
mongosh mongodb://localhost:2737/?directConnection=true&serverSelectionTimeoutMS=2000
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\Admin> mongosh --host="localhost:2737"
Current Mongosh Log ID: 67a5e0d5695e790226f68eee
Connecting to:  mongodb://localhost:2737/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+
1.4
Using MongoDB:      6.0.13
Using Mongosh:      2.1.4
mongosh 2.3.9 is available for download: https://www.mongodb.com/try/download/shell

For mongosh info see: https://docs.mongodb.com/mongodb-shell/

-----
The server generated these startup warnings when booting
2025-02-07T15:55:38.600+05:30: Access control is not enabled for the database. Read and write access to data and
configuration is unrestricted
2025-02-07T15:55:38.601+05:30: This server is bound to localhost. Remote systems will be unable to connect to th
server. Start the server with --bind_ip <address> to specify which IP addresses it should serve responses from, or w
bind_ip_all to bind to all interfaces. If this behavior is desired, start the server with --bind_ip 127.0.0.1 to d
this warning
-----

test-replica-set [direct: secondary] test> show dbs
admin      80.00 KiB
config    216.00 KiB
local     436.00 KiB
test-replica-set [direct: secondary] test>
```

Step 5: Go to primary window shell and perform the following code

Code:

use practise

db.users.insert({name:"abc"});

db.users.find()

Output:

```
test-replica-set [direct: primary] test> show dbs
admin      80.00 KiB
config    128.00 KiB
local     436.00 KiB
test-replica-set [direct: primary] test> use practise
switched to db practise
test-replica-set [direct: primary] practise> db.users.insert({name:"abc"});
DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany, or bulkWrite.
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('67a5e3c807b23551c15c4175') }
}
test-replica-set [direct: primary] practise> db.users.find()
[ { _id: ObjectId('67a5e3c807b23551c15c4175'), name: 'abc' } ]
test-replica-set [direct: primary] practise> _
```

Step 6: Create new window power shell and perform following code

Code:

mongosh --host="localhost:2727"

show dbs

use practise

db.getMongo().setReadPref("secondaryPreferred")

db.users.find()

Output:

```

for mongosh info see: https://docs.mongodb.com/mongosh-shell/

-----
The server generated these startup warnings when booting
2025-02-07T15:55:23.314+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
2025-02-07T15:55:23.314+05:30: This server is bound to localhost. Remote systems will be unable to connect to this server. Start the server with --bind_ip <address> to specify which IP addresses it should serve responses from, or with --bind_ip_all to bind to all interfaces. If this behavior is desired, start the server with --bind_ip 127.0.0.1 to disable this warning
-----

test-replica-set [direct: secondary] test> show dbs
admin            80.00 KiB
config           248.00 KiB
local            436.00 KiB
practise         40.00 KiB
test-replica-set [direct: secondary] test> use practise
switched to db practise
test-replica-set [direct: secondary] practise> db.users.find()
MongoServerError[NotPrimaryNoSecondaryOk]: not primary - consider using db.getMongo().setReadPref() or readPreference on the connection string
test-replica-set [direct: secondary] practise> db.getMongo().setReadPref("secondaryPreferred")
test-replica-set [direct: secondary] practise> db.users.find()
[ { _id: ObjectId('67a5e3c807b23551c15c4175'), name: 'abc' } ]
test-replica-set [direct: secondary] practise>

```

Step 7: Create new window power shell and perform following code

Code:

```
mongosh --host="localhost:2737"
```

```
show dbs
```

```
use practise
```

```
db.getMongo().setReadPref("secondaryPreferred")
```

```
db.users.find()
```

Output:

```

mongosh mongodb://localhost:2737/?directConnection=true&serverSelectionTimeoutMS=2000
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\Admin> mongosh --host="localhost:2737"
Current Mongosh Log ID: 67a5e3a6443c1c6eee6a1e0
Connecting to:   mongodb://localhost:2737/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.1.4
Using MongoDB:  6.0.13
Using Mongosh:  2.1.4
Mongosh 2.1.9 is available for download: https://www.mongodb.com/try/download/shell

for mongosh info see: https://docs.mongodb.com/mongosh-shell/

-----
The server generated these startup warnings when booting
2025-02-07T15:55:38.600+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
2025-02-07T15:55:38.601+05:30: This server is bound to localhost. Remote systems will be unable to connect to this server. Start the server with --bind_ip <address> to specify which IP addresses it should serve responses from, or with --bind_ip_all to bind to all interfaces. If this behavior is desired, start the server with --bind_ip 127.0.0.1 to disable this warning
-----

test-replica-set [direct: secondary] test> show dbs
admin            80.00 KiB
config           248.00 KiB
local            436.00 KiB
practise         40.00 KiB
test-replica-set [direct: secondary] test> use practise
switched to db practise
test-replica-set [direct: secondary] practise> db.getMongo().setReadPref("secondaryPreferred")
test-replica-set [direct: secondary] practise> db.users.find()
[ { _id: ObjectId('67a5e3c807b23551c15c4175'), name: 'abc' } ]
test-replica-set [direct: secondary] practise>

```