

Payoda-Phase2 - Day04

MONGODB

Creating Database using mongodb:

- In this we have created a database named Payoda and created a collections and performed some tasks

CODE BASE :

```
test> show dbs
admin  40.00 KiB
config 60.00 KiB
local  72.00 KiB
test> show dbs
Sample 8.00 KiB
admin  40.00 KiB
config 72.00 KiB
local  72.00 KiB
test> use payoda;
switched to db payoda
payoda> db.createCollection("Employees");
{ ok: 1 }
payoda> db.Employees.insertOne({name:"aaa"});
{
  acknowledged: true,
  insertedId: ObjectId("64cb3c5671d2718778f7f00a")
}
payoda> db.Employees.insertMany([{name:"bbb"},{name:"ccc"}]);
{
  acknowledged: true,
```

```

insertedIds: {
  '0': ObjectId("64cb3d3471d2718778f7f00b"),
  '1': ObjectId("64cb3d3471d2718778f7f00c")
}
}
payoda> db.Employees.find();
[
  { _id: ObjectId("64cb3c5671d2718778f7f00a"), name: 'aaa' },
  { _id: ObjectId("64cb3d3471d2718778f7f00b"), name: 'bbb' },
  { _id: ObjectId("64cb3d3471d2718778f7f00c"), name: 'ccc' }
]
payoda> db.Employees.find(name:"aaa");
Uncaught:
SyntaxError: Unexpected token, expected ",", (1:22)

> 1 | db.Employees.find(name:"aaa");
    |           ^
    2 |

payoda> db.Employees.find({name:"aaa"});
[ { _id: ObjectId("64cb3c5671d2718778f7f00a"), name: 'aaa' } ]
payoda> db.Employees.find({}, {name:1});
[
  { _id: ObjectId("64cb3c5671d2718778f7f00a"), name: 'aaa' },
  { _id: ObjectId("64cb3d3471d2718778f7f00b"), name: 'bbb' },
  { _id: ObjectId("64cb3d3471d2718778f7f00c"), name: 'ccc' }
]
payoda> db.Employees.find({}, {_id:1});
[
  { _id: ObjectId("64cb3c5671d2718778f7f00a") },
  { _id: ObjectId("64cb3d3471d2718778f7f00b") },
  { _id: ObjectId("64cb3d3471d2718778f7f00c") }
]
payoda> db.Employees.find({name:"aaa"}, {_id:1});
[ { _id: ObjectId("64cb3c5671d2718778f7f00a") } ]
payoda> db.Employees.updateOne({name:"aaa"}, {$set:{name:"Harsha"}});
Uncaught:
SyntaxError: Unexpected token, expected ",", (1:57)

> 1 | db.Employees.updateOne({name:"aaa"}, {$set:{name:"Harsha"}});
    |                               ^
    2 |

payoda> db.Employees.updateOne({name:"aaa"}, {$set:{name:"Harsha"}});

```

```

{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
payoda> db.Employees.find();
[
  { _id: ObjectId("64cb3c5671d2718778f7f00a"), name: 'Harsha' },
  { _id: ObjectId("64cb3d3471d2718778f7f00b"), name: 'bbb' },
  { _id: ObjectId("64cb3d3471d2718778f7f00c"), name: 'ccc' }
]
payoda> db.Employees.deleteMany({});
{ acknowledged: true, deletedCount: 3 }
payoda> db.Employees.insertOne({name:"Harsha"},{age:10});
{
  acknowledged: true,
  insertedId: ObjectId("64cb4ab171d2718778f7f00d")
}
payoda> db.Employees.insertOne({name:"Ram"},{age:11});
{
  acknowledged: true,
  insertedId: ObjectId("64cb4abf71d2718778f7f00e")
}
payoda> db.Employees.find();
[
  { _id: ObjectId("64cb4ab171d2718778f7f00d"), name: 'Harsha' },
  { _id: ObjectId("64cb4abf71d2718778f7f00e"), name: 'Ram' }
]
payoda> db.Employees.insertOne({name:"Ram",age:11});
{
  acknowledged: true,
  insertedId: ObjectId("64cb4adf71d2718778f7f00f")
}
payoda> db.Employees.find();
[
  { _id: ObjectId("64cb4ab171d2718778f7f00d"), name: 'Harsha' },
  { _id: ObjectId("64cb4abf71d2718778f7f00e"), name: 'Ram' },
  { _id: ObjectId("64cb4adf71d2718778f7f00f"), name: 'Ram', age: 11 }
]
payoda> db.Employees.insertOne({name:"Harsha",age:10});
{
  acknowledged: true,

```

```

    insertedId: ObjectId("64cb4af171d2718778f7f010")
  }
payoda> db.Employees.deleteOne({});
{ acknowledged: true, deletedCount: 1 }
payoda> db.Employees.find();
[
  { _id: ObjectId("64cb4abf71d2718778f7f00e"), name: 'Ram' },
  { _id: ObjectId("64cb4adf71d2718778f7f00f"), name: 'Ram', age: 11 },
  {
    _id: ObjectId("64cb4af171d2718778f7f010"),
    name: 'Harsha',
    age: 10
  }
]
payoda> db.Employees.deleteOne({});
{ acknowledged: true, deletedCount: 1 }
payoda> db.Employees.find();
[
  { _id: ObjectId("64cb4adf71d2718778f7f00f"), name: 'Ram', age: 11 },
  {
    _id: ObjectId("64cb4af171d2718778f7f010"),
    name: 'Harsha',
    age: 10
  }
]
payoda> db.users.insertOne({
...   name: "John Doe",
...   age: 30,
...   email: "john.doe@example.com",
...   isActive: true
...
...
... });
{
  acknowledged: true,
  insertedId: ObjectId("64cb4bd071d2718778f7f011")
}
payoda> db.Employees.find();
[
  { _id: ObjectId("64cb4adf71d2718778f7f00f"), name: 'Ram', age: 11 },
  {
    _id: ObjectId("64cb4af171d2718778f7f010"),
    name: 'Harsha',
    age: 10
  }
]

```

```

    }
  ]
payoda> db.users.find();
[
  {
    _id: ObjectId("64cb4bd071d2718778f7f011"),
    name: 'John Doe',
    age: 30,
    email: 'john.doe@example.com',
    isActive: true
  }
]
payoda> db.users.insertOne({ name: "kiru", age: 40, email: "kiru.doe@example.com", isActive:
true });
{
  acknowledged: true,
  insertedId: ObjectId("64cb4dbc71d2718778f7f012")
}
payoda> db.users.find({age:{$gt:31},{name:1}});
Uncaught:
SyntaxError: Unexpected token (1:28)

> 1 | db.users.find({age:{$gt:31},{name:1}});
    |               ^
    2 |

payoda> db.users.find({age:{$gt:31},{name:1}});
[ { _id: ObjectId("64cb4dbc71d2718778f7f012"), name: 'kiru' } ]
payoda> db.users.find();
[
  {
    _id: ObjectId("64cb4bd071d2718778f7f011"),
    name: 'John Doe',
    age: 30,
    email: 'john.doe@example.com',
    isActive: true
  },
  {
    _id: ObjectId("64cb4dbc71d2718778f7f012"),
    name: 'kiru',
    age: 40,
    email: 'kiru.doe@example.com',
    isActive: true
  }
]

```

```
]
payoda> -,8ibt5vr4ggtfb[:p
Uncaught:
SyntaxError: Unexpected token (1:1)
```

```
> 1 | -,8ibt5vr4ggtfb[:p
    | ^
    2 |
```

```
payoda> db.users.find({name:"John Doe",age:{$gt:21}}, {name:1});
[ { _id: ObjectId("64cb4bd071d2718778f7f011"), name: 'John Doe' } ]
payoda> db.users.find({age:{21,30}}, {name:1});
Uncaught:
SyntaxError: Unexpected token (1:22)
```

```
> 1 | db.users.find({age:{21,30}}, {name:1});
    |                   ^
    2 |
```

```
payoda> db.users.find({age:{21,30}}, {name:1});
Uncaught:
SyntaxError: Unexpected token (1:22)
```

```
> 1 | db.users.find({age:{21,30}}, {name:1});
    |                   ^
    2 |
```

```
payoda> db.users.find({age:{$in:21,30}}, {name:1});
Uncaught:
SyntaxError: Unexpected token (1:29)
```

```
> 1 | db.users.find({age:{$in:21,30}}, {name:1});
    |                   ^
    2 |
```

```
payoda> db.users.find({age:{$in:[21,30]}}, {name:1});
[ { _id: ObjectId("64cb4bd071d2718778f7f011"), name: 'John Doe' } ]
payoda>
```

```
payoda>
```

```
payoda>
(To exit, press Ctrl+C again or Ctrl+D or type .exit)
payoda>
```