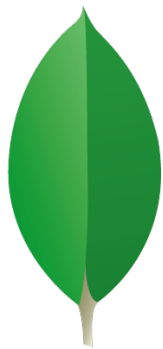


Mongo DB



mongoDB

Prepared by:

Name of Student: Chaitanya Dalvi

Roll No: 19

Batch: 2023-27

Name of Student: Chaitanya Dalvi

Roll Number: 19

Q1 :-

Code:

```
db.ownership.insertMany([
  {
    creator: "Steve Jobs",
    Expertise: "Apple",
    Country_of_Origin: "USA"
  },
  {
    creator: "Bjarne Stroustrup",
    Expertise: "C++",
    Country_of_Origin: "Denmark"
  },
  {
    creator: "Elon Musk",
    Expertise: "Space X",
    Country_of_Origin: "USA"
  },
  {
    creator: "Tim Berners-Lee",
    Expertise: "WWW",
    Country_of_Origin: "UK"
  },
  {
```

```
{
  creator: "Linus Torvalds",
  Expertise: "Linux & Git",
  Country_of_Origin: "Finland"
},
{
  creator: "James Gosling",
  Expertise: "Java",
  Country_of_Origin: "USA"
},
{
  creator: "Carl Stroz",
  Expertise: "MongoDB",
  Country_of_Origin: "USA"
},
{
  creator: "Dennis Ritchie",
  Expertise: "C",
  Country_of_Origin: "USA"
},
{
  creator: "Ryan Dahl",
  Expertise: "Node.js",
  Country_of_Origin: "USA"
},
{ creator: "Brian Kernighan",
  Expertise: "Unix & C",
  Country_of_Origin: "Canada" }]);
```

Object id:

```
'0': ObjectId('673b0337f842765d846b128c'),  
'1': ObjectId('673b0337f842765d846b128d'),  
'2': ObjectId('673b0337f842765d846b128e'),  
'3': ObjectId('673b0337f842765d846b128f'),  
'4': ObjectId('673b0337f842765d846b1290'),  
'5': ObjectId('673b0337f842765d846b1291'),  
'6': ObjectId('673b0337f842765d846b1292'),  
'7': ObjectId('673b0337f842765d846b1293'),  
'8': ObjectId('673b0337f842765d846b1294'),  
'9': ObjectId('673b0337f842765d846b1295')
```

Output screenshot:-

```
mycompiler_mongodb> ... ..  
  acknowledged: true,  
  insertedIds: {  
    '0': ObjectId('673b0337f842765d846b128c'),  
    '1': ObjectId('673b0337f842765d846b128d'),  
    '2': ObjectId('673b0337f842765d846b128e'),  
    '3': ObjectId('673b0337f842765d846b128f'),  
    '4': ObjectId('673b0337f842765d846b1290'),  
    '5': ObjectId('673b0337f842765d846b1291'),  
    '6': ObjectId('673b0337f842765d846b1292'),  
    '7': ObjectId('673b0337f842765d846b1293'),  
    '8': ObjectId('673b0337f842765d846b1294'),  
    '9': ObjectId('673b0337f842765d846b1295')  
  }  
}  
mycompiler_mongodb>
```

[Execution complete with exit code 0]

Name of Student: Chaitanya Dalvi

Roll Number: 19

Q2 :-

Code:

```
db.Cars.insertMany([
  {
    Brand: "Rolls-Royce",
    Type: "La Rose Noire",
    Cost: "25 Cr"
  },
  {
    Brand: "Bugatti",
    Type: "La Voiture Noire",
    Cost: "160 Cr"
  },
  {
    Brand: "Pagani",
    Type: "Zonda HP Barchetta",
    Cost: "122 Cr"
  }
]);
```

Object id:

```
'0': ObjectId('673b0aedfc7d802f9e6b128c'),
'1': ObjectId('673b0aedfc7d802f9e6b128d'),
'2': ObjectId('673b0aedfc7d802f9e6b128e')
```

Output screenshot:-

```
mycompiler_mongodb> ... ..  
  acknowledged: true,  
  insertedIds: {  
    '0': ObjectId('673b0aedfc7d802f9e6b128c'),  
    '1': ObjectId('673b0aedfc7d802f9e6b128d'),  
    '2': ObjectId('673b0aedfc7d802f9e6b128e')  
  }  
}  
mycompiler_mongodb>  
  
[Execution complete with exit code 0]
```

Name of Student: Chaitanya Dalvi
Roll Number: 19

Q3 :-

Code:

```
db.Renowned_Stars.insertMany([
  {
    id: 221,
    firstName: "John",
    lastName: "Cena",
    email: "j.cena@qmail.com",
    career: "WWE",
    salary: 5000
  },
  {
    id: 331,
    firstName: "Sachin",
    lastName: "T",
    email: "sachin.t@gmail.com",
    career: "Cricket",
    salary: 8000
  },
  {
    id: 432,
    firstName: "Sama",
    lastName: "Bore",
    email: "s.bore@gmail.com",
```

```
    career: "Actor",
    salary: 2600
},
{
    id: 55,
    firstName: "Elon",
    lastName: "Musk",
    email: "elon.m@amail.com",
    career: "CEO Founder",
    salary: 9000
},
{
    id: 661,
    firstName: "Kapil",
    lastName: "Dev",
    email: "k.dev@gmail.com",
    career: "Cricket",
    salary: 4500
},
{
    id: 19,
    firstName: "MS",
    lastName: "Dhoni",
    email: "ms.dhoni@gmail.com",
    career: "Cricket",
    salary: 11000
}
];
```


Object id:

```
'0': ObjectId('673b0bcc340835283d6b128c'),  
'1': ObjectId('673b0bcc340835283d6b128d'),  
'2': ObjectId('673b0bcc340835283d6b128e'),  
'3': ObjectId('673b0bcc340835283d6b128f'),  
'4': ObjectId('673b0bcc340835283d6b1290'),  
'5': ObjectId('673b0bcc340835283d6b1291')
```

Output screenshot:-

```
mycompiler_mongodb> ... ..  
  acknowledged: true,  
  insertedIds: {  
    '0': ObjectId('673b0bcc340835283d6b128c'),  
    '1': ObjectId('673b0bcc340835283d6b128d'),  
    '2': ObjectId('673b0bcc340835283d6b128e'),  
    '3': ObjectId('673b0bcc340835283d6b128f'),  
    '4': ObjectId('673b0bcc340835283d6b1290'),  
    '5': ObjectId('673b0bcc340835283d6b1291')  
  }  
}  
mycompiler_mongodb>
```

[Execution complete with exit code 0]

Name of Student: Chaitanya Dalvi

Roll Number: 19

Q4 :-

Code:

```
db.Mr_Olympia.insertMany([
  {
    Person: "Arnold Schwarzenegger",
    No_Of_Times_Won: 7
  },
  {
    Person: "Ronnie Coleman",
    No_Of_Times_Won: 8
  },
  {
    Person: "Hadi Choopan",
    Year: 2022
  },
  {
    Person: "Derek Lunsford",
    Year: 2023
  },
  {
    Person: "Samson Dauda",
    Year: 2024
  },
  {
```

```
    Person: "Chris Bumstead",
    No_Of_Times_Won: 6,
    Year: {
        from: 2019,
        to: 2024
    }
}
D);
```

Object id:

```
'0': ObjectId('673b0c9f8510a2f9a96b128c'),
'1': ObjectId('673b0c9f8510a2f9a96b128d'),
'2': ObjectId('673b0c9f8510a2f9a96b128e'),
'3': ObjectId('673b0c9f8510a2f9a96b128f'),
'4': ObjectId('673b0c9f8510a2f9a96b1290'),
'5': ObjectId('673b0c9f8510a2f9a96b1291')
```

Output screenshot:-

```
mycompiler_mongodb> ... ..
acknowledged: true,
insertedIds: {
  '0': ObjectId('673b0c9f8510a2f9a96b128c'),
  '1': ObjectId('673b0c9f8510a2f9a96b128d'),
  '2': ObjectId('673b0c9f8510a2f9a96b128e'),
  '3': ObjectId('673b0c9f8510a2f9a96b128f'),
  '4': ObjectId('673b0c9f8510a2f9a96b1290'),
  '5': ObjectId('673b0c9f8510a2f9a96b1291')
}
}
mycompiler_mongodb>
```

[Execution complete with exit code 0]

Name of Student: Chaitanya Dalvi

Roll Number: 19

Q5 :-

Code:

```
db.vehicles.insertMany([
  {
    models: "Hero Xstream 125 R",
    on_road_price: "95000",
    mileage: {
      value: 66,
      Uom: "Km/L"
    },
    cc: 125
  },
  {
    models: "Yamaha MT15",
    on_road_price: "1.04 L",
    mileage: {
      value: 57,
      Uom: "Km/L"
    },
    cc: 160
  },
  {
    models: "Kawasaki Ninja H2R",
    on_road_price: "36.2 L",
```

```
mileage: {
  value: 15,
  Uom: "Km/L"
},
cc: 1000
},
{
  models: "Ducati Streetfighter V4",
  on_road_price: "24.4 L",
  mileage: {
    value: 13.2,
    Uom: "Km/L"
  },
  cc: 1100
},
{
  models: "Indian Pursuit Dark Horse",
  on_road_price: "43.29 L",
  mileage: {
    value: 52,
    Uom: "Km/L"
  },
  cc: 1800
}
D;
```

Object id:

```
'0': ObjectId('673b0d7266903328036b128c'),  
'1': ObjectId('673b0d7266903328036b128d'),  
'2': ObjectId('673b0d7266903328036b128e'),  
'3': ObjectId('673b0d7266903328036b128f'),  
'4': ObjectId('673b0d7266903328036b1290')
```

Output screenshot:-

```
mycompiler_mongodb> ... ..  
  acknowledged: true,  
  insertedIds: {  
    '0': ObjectId('673b0d7266903328036b128c'),  
    '1': ObjectId('673b0d7266903328036b128d'),  
    '2': ObjectId('673b0d7266903328036b128e'),  
    '3': ObjectId('673b0d7266903328036b128f'),  
    '4': ObjectId('673b0d7266903328036b1290')  
  }  
}  
mycompiler_mongodb>  
  
[Execution complete with exit code 0]
```

Name of Student: Chaitanya Dalvi

Roll Number: 19

Q6 :-

Code:

```
db.books.insertMany([
```

```
  { id: 11,
```

```
    language: "Java",
```

```
    author: "H Janeson",
```

```
    year: 2015 },
```

```
  { id: 12,
```

```
    language: "C++",
```

```
    author: "E Sepp",
```

```
    edition: "Second",
```

```
    price: 22.25 }
```

```
]);
```

Object id:

```
'0': ObjectId('673b0ed838fe907af46b128c'),
```

```
'1': ObjectId('673b0ed838fe907af46b128d')
```

Output screenshot:-

```
mycompiler_mongodb> ... ..  
  acknowledged: true,  
  insertedIds: {  
    '0': ObjectId('673b0ed838fe907af46b128c'),  
    '1': ObjectId('673b0ed838fe907af46b128d')  
  }  
}  
mycompiler_mongodb>  
  
[Execution complete with exit code 0]
```


Name of Student: Chaitanya Dalvi

Roll Number: 19

Q7 :-

Code:

```
db.persons.insertMany([  
{  
    Name: "John",  
    phone: 3634  
},  
{  
    Name: "Sue",  
    phone: 6343  
}  
]);
```

```
db.orders.insertMany([  
{  
    PersonName: "John",  
    Date: 2002,  
    Product: "Gizmo"  
},  
{  
    PersonName: "John",  
    Date: 2004,  
    Product: "Gadget"  
},  
{
```

```
    PersonName: "John",
    Date: 2002,
    Product: "Gadget"
}
);
```

Object id:

```
'0': ObjectId('673b0f7f59ea0f78816b128c'),
'1': ObjectId('673b0f7f59ea0f78816b128d')
```

```
'0': ObjectId('673b0f8059ea0f78816b128e'),
'1': ObjectId('673b0f8059ea0f78816b128f'),
'2': ObjectId('673b0f8059ea0f78816b1290')
```

Output screenshot:-

```
mycompiler_mongodb> ... ..
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('673b0f7f59ea0f78816b128c'),
    '1': ObjectId('673b0f7f59ea0f78816b128d')
  }
}
mycompiler_mongodb>
mycompiler_mongodb> ... ..
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('673b0f8059ea0f78816b128e'),
    '1': ObjectId('673b0f8059ea0f78816b128f'),
    '2': ObjectId('673b0f8059ea0f78816b1290')
  }
}
mycompiler_mongodb>

[Execution complete with exit code 0]
```

Name of Student: Chaitanya Dalvi

Roll Number: 19

Q8 :-

Code:

```
db.compounds.insertMany([
  {
    cid: 101,
    solution_Name: "Methane",
    Formula: "CH4"
  },
  {
    cid: 201,
    solution_Name: "Ethane",
    Formula: "C2H6"
  },
  {
    cid: 301,
    solution_Name: "Propane",
    Formula: "C3H8"
  },
  {
    cid: 401,
    solution_Name: "Butane",
    Formula: "C4H10"
  },
  {
```

```

    cid: 501,
    solution_Name: "Pentane",
    Formula: "C5H12"
  },
  {
    cid: 601,
    solution_Name: "Methane",
    Formula: "CH4"
  }
];

```

Object id:

```

'0': ObjectId('673b1060f90256f9f76b128c'),
'1': ObjectId('673b1060f90256f9f76b128d'),
'2': ObjectId('673b1060f90256f9f76b128e'),
'3': ObjectId('673b1060f90256f9f76b128f'),
'4': ObjectId('673b1060f90256f9f76b1290'),
'5': ObjectId('673b1060f90256f9f76b1291')

```

Output screenshot:-

```

mycompiler_mongodb>
mycompiler_mongodb> ... ..
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('673b1060f90256f9f76b128c'),
    '1': ObjectId('673b1060f90256f9f76b128d'),
    '2': ObjectId('673b1060f90256f9f76b128e'),
    '3': ObjectId('673b1060f90256f9f76b128f'),
    '4': ObjectId('673b1060f90256f9f76b1290'),
    '5': ObjectId('673b1060f90256f9f76b1291')
  }
}
mycompiler_mongodb>
mycompiler_mongodb>

[Execution complete with exit code 0]

```

Name of Student: Chaitanya Dalvi

Roll Number: 19

Q9 :-

Code:

```
db.Students.insertMany([
  {
    eid: 1121,
    ename: "Ash",
    Bay: 7,
    userid: "Ash",
    cost: "10 K"
  },
  {
    eid: 1089,
    ename: "Michael",
    Bay: 3,
    userid: "Michael",
    cost: "21 K"
  },
  {
    eid: 784,
    ename: "S.Mary",
    Bay: 2,
    userid: "S_Mary",
    cost: "31.83 K"
  }
]);
```

Object id:

```
'0': ObjectId('673b1300a90a5298af6b128c'),  
'1': ObjectId('673b1300a90a5298af6b128d'),  
'2': ObjectId('673b1300a90a5298af6b128e')
```

Output screenshot:-

```
mycompiler_mongodb>  
mycompiler_mongodb> ... ..  
  acknowledged: true,  
  insertedIds: {  
    '0': ObjectId('673b1300a90a5298af6b128c'),  
    '1': ObjectId('673b1300a90a5298af6b128d'),  
    '2': ObjectId('673b1300a90a5298af6b128e')  
  }  
}  
mycompiler_mongodb>  
  
[Execution complete with exit code 0]
```

Name of Student: Chaitanya Dalvi

Roll Number: 19

Q10 :-

Code:

```
db.Person.insertMany([
  {
    FirstName: "Ash",
    LastName: "Pc",
    Date_of_Birth: new Date("Jan 08, 2023"),
    Grade: 8.783
  },
  {
    FirstName: "S.Mary",
    LastName: "p",
    Date_of_Birth: new Date("Oct 03, 2003")
  }
]);
```

Object id:

```
'0': ObjectId('673b194d28a12fbd956b128c'),
'1': ObjectId('673b194d28a12fbd956b128d')
```

Output screenshot:

```
mycompiler_mongodb> ... ..  
  acknowledged: true,  
  insertedIds: {  
    '0': ObjectId('673b194d28a12fbd956b128c'),  
    '1': ObjectId('673b194d28a12fbd956b128d')  
  }  
}  
mycompiler_mongodb>  
  
[Execution complete with exit code 0]
```


Name of Student: Chaitanya Dalvi

Roll Number: 19

Q11 :-

Code:

db.UserData.insertMany([

{

Users:[

{

UserId: 1,

UserName: "Ash",

},

{

UserId: 2,

UserName: "Ashwin",

},

{

UserId: 3,

UserName: "Ashish",

}

],

Purchase:{

UserId:[1,1]

}

}

D;

Object id:

ObjectId('673b1a8e0626840fb46b128c')

Output screenshot:

```
mycompiler_mongodb>
mycompiler_mongodb> ... ..
  acknowledged: true,
  insertedIds: { '0': ObjectId('673b1a8e0626840fb46b128c') }
}
mycompiler_mongodb>

[Execution complete with exit code 0]
```

Name of Student: Chaitanya Dalvi

Roll Number: 19

Q12 :-

Code:

```
db.Person.insertMany([
  {
    emp_id: 1115,
    FirstName: "Chandan",
    LastName: "Dhumale"
  },
  {
    emp_id: 1111,
    FirstName: "Jeevan",
    LastName: "Naidu"
  },
  {
    emp_id: 1116,
    FirstName: "Tanmay",
    LastName: "Gharat"
  },
  {
    emp_id: 1112,
    FirstName: "Chaitanya",
    LastName: "Dalvi"
  },
  {
```

```
emp_id: 1113,  
FirstName: "Rafe",  
LastName: "Shaikh"  
},  
{  
emp_id: 1114,  
FirstName: "Karunesh",  
LastName: "Chikne"  
}
```

);

Object id:

```
'0': ObjectId('673b1b60fac312c7f76b128c'),  
'1': ObjectId('673b1b60fac312c7f76b128d'),  
'2': ObjectId('673b1b60fac312c7f76b128e'),  
'3': ObjectId('673b1b60fac312c7f76b128f'),  
'4': ObjectId('673b1b60fac312c7f76b1290'),  
'5': ObjectId('673b1b60fac312c7f76b1291')
```

Output screenshot:

```
mycompiler_mongodb>  
mycompiler_mongodb> ... ..  
acknowledged: true,  
insertedIds: {  
  '0': ObjectId('673b1b60fac312c7f76b128c'),  
  '1': ObjectId('673b1b60fac312c7f76b128d'),  
  '2': ObjectId('673b1b60fac312c7f76b128e'),  
  '3': ObjectId('673b1b60fac312c7f76b128f'),  
  '4': ObjectId('673b1b60fac312c7f76b1290'),  
  '5': ObjectId('673b1b60fac312c7f76b1291')  
}  
}  
mycompiler_mongodb>
```

[Execution complete with exit code 0]

