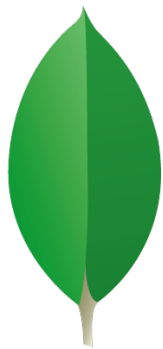


## **Mongo DB**



# mongoDB

**Prepared by:**

Name of Student: Chaitanya Dalvi

Roll No: 19

Batch: 2023-27

**Name of Student: Chaitanya Dalvi**

**Roll Number: 19**

---

**Q1 :-**

Ofirst	Steve	Bjarne	Elon	Tim	Linus	James	Carl	Dennis	Ryan	Brian
Olast	Jobs	Stroustrup	Musk	Berners-Lee	Torvalds	Gosling	Strozzi	Ritchie	Dahl	kernighan
Expertise	Apple	C++	Space X	WWW	Linux & Git	Java	Mongo DB	C	Node	Unix & C
Country of Origin	USA	Denmark	USA	UK	Finland	USA	USA	USA	USA	Canada

**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 Strozz",**  
**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 :-**

	CARS		
BRAND TYPE	Rolls Royce	Bugatti	Pagani
	La Rose Noire	La Voiture Noire	Zonda HP Barchetta
	25 Cr		

**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 :-**

Id	FirstName	LastName	Email	Career	Salary
11	John	Cena	<a href="mailto:j.cena@gmail.com">j.cena@gmail.com</a>	WWE	5000
22	Sachin	T	<a href="mailto:sachin.t@gmail.com">sachin.t@gmail.com</a>	Cricket	8000
33	Sama	Bore	<a href="mailto:s.bore@gmail.com">s.bore@gmail.com</a>	Actor	7500
44	Elon	Musk	<a href="mailto:elon.m@gmail.com">elon.m@gmail.com</a>	CEO & Founder	9000
55	Kapil	Dev	<a href="mailto:k.dev@gmail.com">k.dev@gmail.com</a>	Cricket	4500
66	MS	Dhoni	<a href="mailto:MS.D@gmail.com">MS.D@gmail.com</a>	Cricket	11000

**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 :-**

Mr. Olympia	
Anold leetarey	7 times
Ronie coleman	8 times
Hadi choopan	2022
Derek lunsford	2023
Samson dauda	2024
Chris busted	6 times, 2019 to 2024

**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**

**}**

**}**

**});**

**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 :-**

Models	On road price	Mileage (Km/L	Cc
Hero stream 125 R	95000	66	125
Yamaha M15	1.4 L	57	160
TVS apade RTS	1.04 L	53	160
Kawasaki Ninja H2R	36.2 L	15	1000
Ducati street fighter v4	24.4	13.2	1100
Indian pursuit dark horse	43.29	14	1800

**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  
}
```

});

Object id:

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

Output screenshot:-

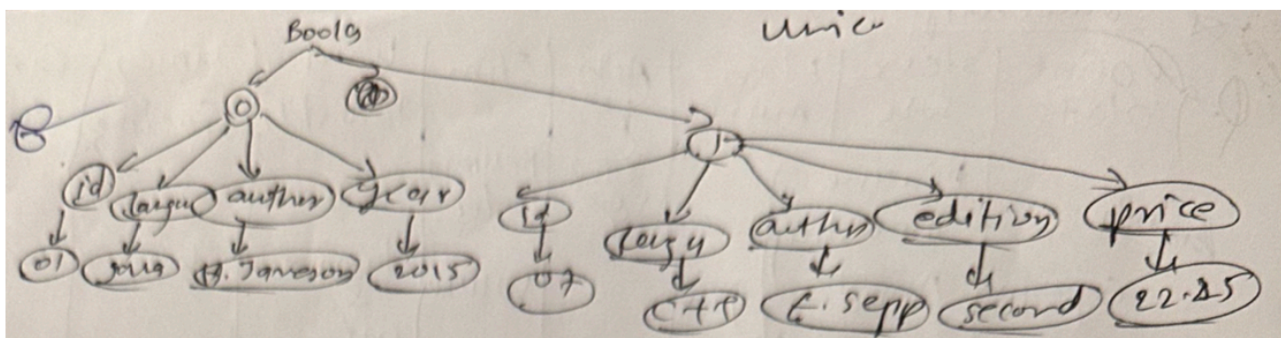
```
mycompiler_mongodb> ... ..  
  acknowledged: true,  
  insertedIds: {  
    '0': ObjectId('673b0d7266903328036b128c'),  
    '1': ObjectId('673b0d7266903328036b128d'),  
    '2': ObjectId('673b0d7266903328036b128e'),  
    '3': ObjectId('673b0d7266903328036b128f'),  
    '4': ObjectId('673b0d7266903328036b1290')  
  }  
}  
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:-**

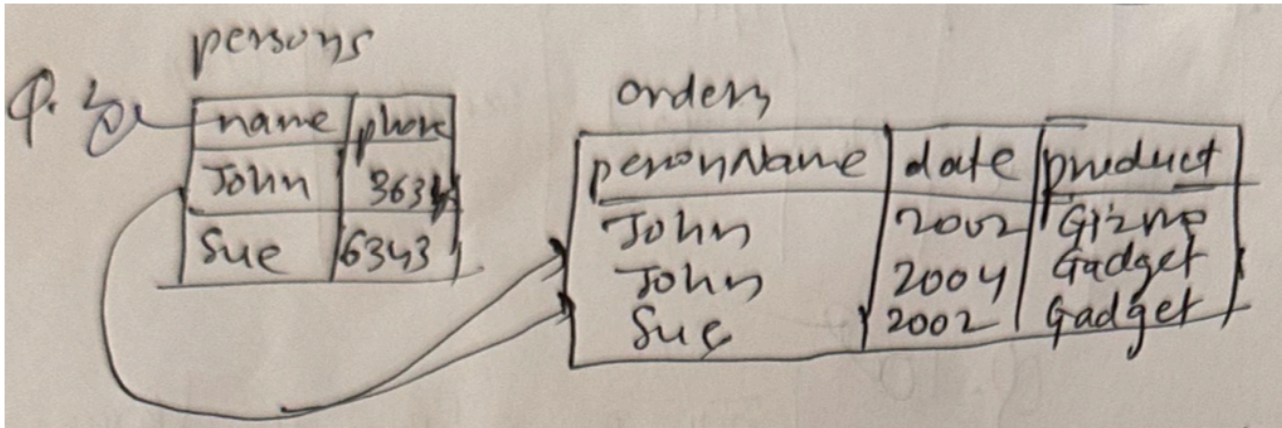
```
mycompiler_mongodb> ... ..  
  acknowledged: true,  
  insertedIds: {  
    '0': ObjectId('673b0ed838fe907af46b128c'),  
    '1': ObjectId('673b0ed838fe907af46b128d')  
  }  
}  
mycompiler_mongodb>  
  
[Execution complete with exit code 0]
```



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 :-*

Cid	SolutionName	Formula
101	Methane	CH <sub>4</sub>
201	Ethane	C <sub>2</sub> H <sub>6</sub>
301	Propane	C <sub>3</sub> H <sub>8</sub>
401	Butane	C <sub>4</sub> H <sub>10</sub>
501	Pentane	C <sub>5</sub> H <sub>12</sub>
601	Methane	CH <sub>4</sub>

**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 :-**

Eid	Ename	Bay	UserID	Cost
1121	Ash	7	Ash	10 K
1089	Michael	3	Michael	21 K
784	S.Mary	2	S-Mary	31.83 K

**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 :-**

FirstName	Ash	S-Mary
Lastname	Pc	P
Date_Of_Birth	Jan 08, 1963	New Date("Oct 03, 2003")
Grade	8.783	

**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 :-**

User Id	Username	Purchase User id
1	Ash	1
2	Ashwin	1
3	Ashish	

**Code:**

```
db.UserData.insertMany([

{
  Users:[
    {
      UserId: 1,
      UserName: "Ash",
    },
    {
      UserId: 2,
      UserName: "Ashwin",
    },
    {
      UserId: 3,
      UserName: "Ashish",
    }
  ]
}]
```

```
],  
  Purchase:{  
    UserId:[1,1]  
  }  
}
```

});

**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]