

## E\_Commerce Task

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following query:

```
1 select distinct * from variation inner join cloth inner join size inner join gender inner join brand inner join color on
2 cloth.clothID = variation.clothID and size.sizeID=variation.sizeID and brand.brandID=variation.brandID and color.colorID=variation.colorID and gender.genID = variation.genID
3 order by varID asc
```

The result grid displays 18 rows of data with columns: varID, clothID, sizeID, colorID, brandID, genID, price, mediaurl, rating, clothDesc, sizeDesc, genDesc, brandDesc, colorDesc. The data shows various combinations of product attributes.

The bottom panel shows the execution log with the following entries:

#	Time	Action	Message	Duration / Fetch
57	22:09:09	select distinct * from variation inner join cloth inner join size inner join gender inner join brand inner join color on	15 row(s) returned	0.000 sec / 0.000 sec
58	22:09:58	delete from variation where price > 100	1 row(s) affected	0.109 sec
59	22:10:01	select distinct * from variation inner join cloth inner join size inner join gender inner join brand inner join color on	15 row(s) returned	0.000 sec / 0.000 sec

[Get all variant by prodID]

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following query:

```
1 select varID,mediaurl from variation inner join cloth inner join size inner join gender inner join brand inner join color on
2 cloth.clothID = variation.clothID and size.sizeID=variation.sizeID and brand.brandID=variation.brandID and color.colorID=variation.colorID and gender.genID = variation.genID
3 where varID = '18'
```

The result grid displays 9 rows of data with columns: varID, mediaurl. The data shows the media URL for the specified variant ID.

The bottom panel shows the execution log with the following entries:

#	Time	Action	Message	Duration / Fetch
61	22:19:40	select varID,mediaurl from variation inner join cloth inner join size inner join gender inner join brand inner join color on	Error Code: 1054. Unknown column 'varID' in 'field list'	0.000 sec
62	22:19:56	select varID,mediaurl from variation inner join cloth inner join size inner join gender inner join brand inner join color on	Error Code: 1054. Unknown column 'varID' in 'field list'	0.000 sec
63	22:21:13	select varID,mediaurl from variation inner join cloth inner join size inner join gender inner join brand inner join color on	1 row(s) returned	0.000 sec / 0.000 sec

[Get media of particular varID]

## E\_Commerce Task

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following query:

```
1 select clothdesc,varID, sizedesc,colordesc,branddesc,gendesc from variation inner join cloth inner join size inner join gender inner join brand inner join color on
2 cloth.clothID = variation.clothID and size.sizeID=variation.sizeID and brand.brandID=variation.brandID and color.colorID=variation.colorID and gender.genID = variation.genID
3 where varID = '16'
```

The Results tab shows a single row of data:

clothdesc	varID	sizedesc	colordesc	branddesc	gendesc
T-shirt	10	M	yellow	S2	Male

The Output tab shows the following error message:

```
64 22:22:10 select clothdesc,varID from variation inner join cloth inner join size inner join gender inner join brand inner join c... Error Code: 1054 'Unknown column 'clothdesc' in field list'
65 22:22:17 select clothdesc,varID from variation inner join cloth inner join size inner join gender inner join brand inner join c... 1 row(s) returned
66 22:24:15 select clothdesc,varID, sizedesc,colordesc,branddesc,gendesc from variation inner join cloth inner join size inn... 1 row(s) returned
```

[prod detail by varientid]

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following query:

```
1 -- clothID=1--
2 insert into variation value('16','1','2','2','2','2',500,'16.jpg',5)
```

The Output tab shows the following execution results:

```
65 22:22:17 select clothdesc,varID from variation inner join cloth inner join size inner join gender inner join brand inner join c... 1 row(s) returned
66 22:24:15 select clothdesc,varID, sizedesc,colordesc,branddesc,gendesc from variation inner join cloth inner join size inn... 1 row(s) returned
67 22:30:41 insert into variation value('16','1','2','2','2','2',500,'16.jpg',5) 1 row(s) affected
```

[query for insertion]

## E\_Commerce Task

The screenshot shows the MySQL Workbench interface with a successful SQL query execution. The SQL Editor contains the following queries:

```
1 -- clothID=1--
2 -- insert into variation value('16','1','2','2','2','2',500,'16.img',5)--
3 select * from variation
```

The Result Grid displays 16 rows of data from the 'variation' table:

varID	clothID	sizeID	colorID	brandID	genID	price	mediaurl	rating
1	1	1	1	1	1	1000	1.img	4
2	1	2	2	1	2	2000	2.img	3
3	1	2	3	1	2	2000	3.img	1
4	1	2	4	1	2	2000	4.img	5
5	1	2	2	1	3	2000	5.img	2
6	1	2	3	1	3	2000	6.img	3
7	1	2	4	2	3	2000	7.img	4
8	1	2	2	2	2	2000	8.img	5
9	1	2	3	2	2	2000	9.img	1
10	1	2	4	2	2	2000	10.img	2
11	1	2	2	2	3	3000	11.img	3
12	1	2	3	2	3	3000	12.img	3
13	1	2	4	2	3	3000	13.img	3
14	1	3	5	2	2	3000	14.img	4
15	1	3	6	2	2	3000	15.img	5
16	1	2	2	2	2	500	16.img	5

The Output tab shows the execution results:

#	Time	Action	Message	Duration / Fetch
66	22:24:15	select clothdesc,varID, sizedesc,colordesc,branddesc,gender from variation inner join cloth inner join size inn...	1 row(s) returned	0.000 sec / 0.000 sec
67	22:30:41	insert into variation value('16','1','2','2','2','2',500,'16.img',5)	1 row(s) affected	0.313 sec
68	22:31:21	select * from variation LIMIT 0, 1000	16 row(s) returned	0.016 sec / 0.000 sec

[update list]

The screenshot shows the MySQL Workbench interface with an SQL query that results in an error. The SQL Editor contains the following query:

```
1 select clothdesc, avg(variation.rating) as avgrating from variation inner join cloth inner join size inner join gender inner join brand inner join color on
2 cloth.clothID = variation.clothID and size.sizeID=variation.sizeID and brand.brandID=variation.brandID and color.colorID=variation.colorID and gender.genID = variation.genID
3 where cloth.clothID = '1'
```

The Result Grid shows a single row of data:

clothdesc	avgrating
T-shirt	3.3125

The Output tab shows the execution results with errors:

#	Time	Action	Message	Duration / Fetch
69	22:45:51	select clothdesc,avg(rating) from variation inner join cloth inner join size inner join gender inner join brand inner join color on...	Error Code: 1052. Column 'clothID' in where clause is ambiguous	0.047 sec
70	22:46:11	select clothdesc, avg(rating) as avgrating from variation inner join cloth inner join size inner join gender inner join brand inner join color on...	Error Code: 1052. Column 'clothID' in where clause is ambiguous	0.000 sec
71	22:47:45	select clothdesc, avg(variation.rating) as avgrating from variation inner join cloth inner join size inner join gender inner join brand inner join color on...	1 row(s) returned	0.172 sec / 0.000 sec

[average rating]

## E\_Commerce Task

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following query:

```
1 • select custName,purchaseID from purchase inner join customer on customer.custID = purchase.custID and customer.custID = 'CID000005'
```

The result grid displays the following data:

	custName	purchaseID
1	Satyap4	2
2	Satyap4	3
3	Satyap4	4
4	Satyap4	5
5	Satyap4	6
6	Satyap4	7
7	Satyap4	8
8	Satyap4	9
9	Satyap4	10

The status bar at the bottom indicates the query was executed successfully, returning 9 row(s).

[fetch all order by customer id]

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following query:

```
1 • select clothdesc,count(purchaseID) as sales from purchase inner join cloth on purchase.prodID = cloth.clothID and cloth.clothID = '1'
```

The result grid displays the following data:

	clothdesc	sales
1	Tshrt	10

The status bar at the bottom indicates the query was executed successfully, returning 1 row(s).

[count total sale by prodID]

## E\_Commerce Task

The screenshot shows the MySQL Workbench interface. The SQL editor contains the query: `select count(purchaseID) as sales from purchase`. The left sidebar shows the database schema for 'e\_commerce', with the 'purchase' table selected. The bottom status bar shows the query execution results.

**Table: purchase**

**Columns:**

- purchaseID: varchar(9)
- custID: varchar(9)
- prodID: varchar(9)
- varID: varchar(9)
- billingAMT: int
- currency: varchar(255)
- timeStamp: datetime
- billingMethod: varchar(255)
- referenceID: varchar(9)

**Result Grid**

sales
10

**Output**

#	Time	Action	Message	Duration / Fetch
89	23.04.53	select custName,purchaseID from purchase inner join customer on customer.custID = purchase.custID and cu...	9 row(s) returned	0.000 sec / 0.000 sec
90	23.07.57	select clothdesc,count(purchaseID) as sales from purchase inner join cloth on purchase.prodID = cloth.clothID ...	1 row(s) returned	0.000 sec / 0.000 sec
91	23.09.47	select count(purchaseID) as sales from purchase LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

[Count all sales of all companies]

## E\_Commerce Task

MongoDB Compass - task.w2ual.mongodb.net/E\_commerce.Product

Connect View Collection Help

Local

- DBS 10 COLLECTIONS
- HOSTS
  - task-shard-00-00.w2ual.m...
  - task-shard-00-01.w2ual.m...
  - task-shard-00-02.w2ual.m...
- CLUSTER
  - Replica Set (atlas-nhdbw-...
  - 3 Nodes
- EDITION
  - MongoDB 4.4.3 Enterprise

Filter your data

- E\_commerce
  - Product
  - Purchase
  - customer
- IMDBdb
- StudentDB
- admin
- config
- local

MongoSH Beta

E\_commerce.Product

Documents

DOCUMENTS 1 TOTAL SIZE 616B AVG. SIZE 616B INDEXES 1 TOTAL SIZE 36.0KB AVG. SIZE 36.0KB

Documents Aggregations Schema Explain Plan Indexes Validation

ADD DATA VIEW

Displaying documents 1 - 1 of 1

```
{
  "_id": "605d86ff6a1e2b103f5cb99f",
  "productname": "cloth-Tshirt",
  "prodID": "1",
  "variant": [
    {
      "variantID": "1",
      "size": "S",
      "color": "Blue",
      "gender": "Male",
      "brand": "B1",
      "price": 1000,
      "rating": "3",
      "mediaurl": "1.jpg"
    },
    {
      "variantID": "2",
      "size": "M",
      "color": "Red",
      "gender": "Male",
      "brand": "B1",
      "price": 1000,
      "rating": "5",
      "mediaurl": "2.jpg"
    },
    {
      "variantID": "3",
      "size": "L",
      "color": "White",
      "gender": "Male",
      "brand": "B2",
      "price": 1000,
      "rating": "4",
      "mediaurl": "3.jpg"
    },
    {
      "variantID": "4",
      "size": "XL",
      "color": "Yellow",
      "gender": "Female",
      "brand": "B2",
      "price": 2000,
      "rating": "1",
      "mediaurl": "4.jpg"
    }
  ]
}
```

MongoDB Compass - task.w2ual.mongodb.net/E\_commerce.Purchase

Connect View Collection Help

Local

- DBS 10 COLLECTIONS
- HOSTS
  - task-shard-00-00.w2ual.m...
  - task-shard-00-01.w2ual.m...
  - task-shard-00-02.w2ual.m...
- CLUSTER
  - Replica Set (atlas-nhdbw-...
  - 3 Nodes
- EDITION
  - MongoDB 4.4.3 Enterprise

Filter your data

- E\_commerce
  - Product
  - Purchase
  - customer
- IMDBdb
- StudentDB
- admin
- config
- local

MongoSH Beta

E\_commerce.Purchase

Documents

DOCUMENTS 2 TOTAL SIZE 752B AVG. SIZE 376B INDEXES 1 TOTAL SIZE 36.0KB AVG. SIZE 36.0KB

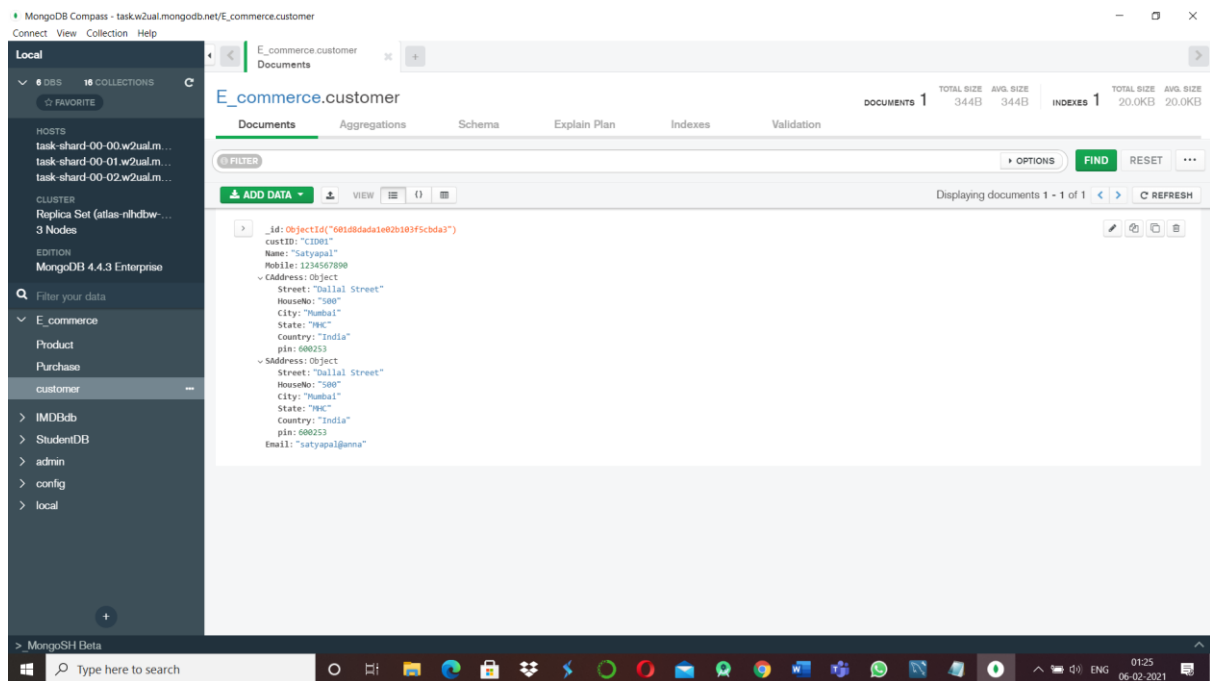
Documents Aggregations Schema Explain Plan Indexes Validation

ADD DATA VIEW

Displaying documents 1 - 2 of 2

```
{
  "_id": "605d86ff6a1e2b103f5cbda1",
  "purchaseID": "1",
  "date": {
    "$date": "2000-12-31T18:30:00.000Z"
  },
  "custID": "CID001",
  "items": [
    {
      "prodID": "1",
      "varID": "1",
      "billingamt": 1000,
      "delivery": {
        "$date": "2001-01-31T18:30:00.000Z"
      }
    },
    {
      "prodID": "1",
      "varID": "2",
      "billingamt": 1000,
      "delivery": {
        "$date": "2001-01-31T18:30:00.000Z"
      }
    },
    {
      "prodID": "1",
      "varID": "3",
      "billingamt": 1000,
      "delivery": {
        "$date": "2001-01-31T18:30:00.000Z"
      }
    },
    {
      "prodID": "1",
      "varID": "4",
      "billingamt": 1000,
      "delivery": {
        "$date": "2001-01-31T18:30:00.000Z"
      }
    }
  ]
},
{
  "_id": "605d86ff6a1e2b103f5cbda2",
  "purchaseID": "2",
  "date": {
    "$date": "2000-12-31T18:30:00.000Z"
  },
  "custID": "CID002",
  "items": [
    {
      "prodID": "1",
      "varID": "1",
      "billingamt": 1000,
      "delivery": {
        "$date": "2001-01-31T18:30:00.000Z"
      }
    },
    {
      "prodID": "1",
      "varID": "2",
      "billingamt": 1000,
      "delivery": {
        "$date": "2001-01-31T18:30:00.000Z"
      }
    },
    {
      "prodID": "1",
      "varID": "3",
      "billingamt": 1000,
      "delivery": {
        "$date": "2001-01-31T18:30:00.000Z"
      }
    },
    {
      "prodID": "1",
      "varID": "4",
      "billingamt": 1000,
      "delivery": {
        "$date": "2001-01-31T18:30:00.000Z"
      }
    }
  ]
}
```

## E\_Commerce Task



\*in mongodb the fetching of data not able to do I will need a revision class to understand mongodb queries