

Lab3 Program 2:

```
mongo.exe
> use db2;
switched to db db2
> db.createCollection("Customer");
{ "ok" : 1 }
> db.Customer.insert({cust_id:1,Accbal:1500,Acc_type:"A"});
WriteResult({ "nInserted" : 1 })
> db.Customer.insert({cust_id:2,Accbal:2000,Acc_type:"Z"});
WriteResult({ "nInserted" : 1 })
> db.Customer.insert([ {cust_id:3,Accbal:5000,Acc_type:"Z"}, {cust_id:4,Accbal=5500,Acc_type="Z"} ]);
2020-10-12T16:11:55.812+0530 E QUERY [js] SyntaxError: missing : after property id @(shell):1:74
> db.Customer.insert([ {cust_id:3,Accbal:5000,Acc_type:"Z"}, {cust_id:4,Accbal:5500,Acc_type:"Z"} ]);
BulkWriteResult({
  "writeErrors" : [ ],
  "writeConcernErrors" : [ ],
  "nInserted" : 2,
  "nUpserted" : 0,
  "nMatched" : 0,
  "nModified" : 0,
  "nRemoved" : 0,
  "upserted" : [ ]
})
> db.Customer.insert([ {cust_id:3,Accbal:1300,Acc_type:"A"}, {cust_id:4,Accbal:1000,Acc_type:"A"} ]);
BulkWriteResult({
  "writeErrors" : [ ],
  "writeConcernErrors" : [ ],
  "nInserted" : 2,
  "nUpserted" : 0,
  "nMatched" : 0,
  "nModified" : 0,
  "nRemoved" : 0,
  "upserted" : [ ]
})
```

```

> db.Customer.find().pretty();
{
  "_id" : ObjectId("5f843299de47c4d09ba0f1fc"),
  "cust_id" : 1,
  "Accbal" : 1500,
  "Acc_type" : "A"
}
{
  "_id" : ObjectId("5f8432adde47c4d09ba0f1fd"),
  "cust_id" : 2,
  "Accbal" : 2000,
  "Acc_type" : "Z"
}
{
  "_id" : ObjectId("5f843306de47c4d09ba0f1fe"),
  "cust_id" : 3,
  "Accbal" : 5000,
  "Acc_type" : "Z"
}
{
  "_id" : ObjectId("5f843306de47c4d09ba0f1ff"),
  "cust_id" : 4,
  "Accbal" : 5500,
  "Acc_type" : "Z"
}
{
  "_id" : ObjectId("5f843327de47c4d09ba0f200"),
  "cust_id" : 3,
  "Accbal" : 1300,
  "Acc_type" : "A"
}
{
  "_id" : ObjectId("5f843327de47c4d09ba0f201"),
  "cust_id" : 4,
  "Accbal" : 1000,
  "Acc_type" : "A"
}

```

Queries:

```

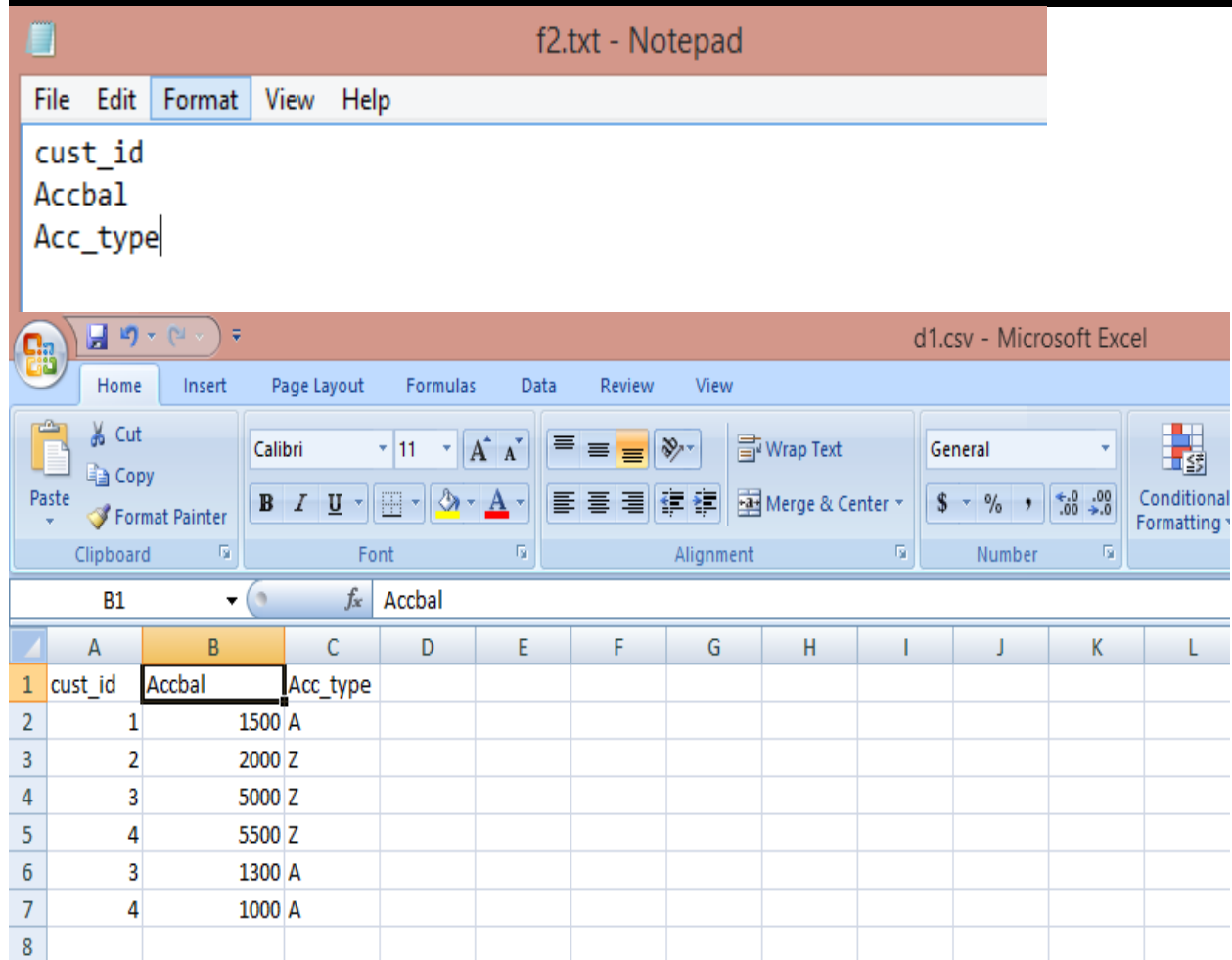
> db.Customer.find((Accbal:{$gt:1200},Acc_type:"Z"));
{ "_id" : ObjectId("5f8432adde47c4d09ba0f1fd"), "cust_id" : 2, "Accbal" : 2000, "Acc_type" : "Z" }
{ "_id" : ObjectId("5f843306de47c4d09ba0f1fe"), "cust_id" : 3, "Accbal" : 5000, "Acc_type" : "Z" }
{ "_id" : ObjectId("5f843306de47c4d09ba0f1ff"), "cust_id" : 4, "Accbal" : 5500, "Acc_type" : "Z" }
> db.Customer.find((Accbal:{$gt:1200},Acc_type:"Z")).pretty();
{
  "_id" : ObjectId("5f8432adde47c4d09ba0f1fd"),
  "cust_id" : 2,
  "Accbal" : 2000,
  "Acc_type" : "Z"
}
{
  "_id" : ObjectId("5f843306de47c4d09ba0f1fe"),
  "cust_id" : 3,
  "Accbal" : 5000,
  "Acc_type" : "Z"
}
{
  "_id" : ObjectId("5f843306de47c4d09ba0f1ff"),
  "cust_id" : 4,
  "Accbal" : 5500,
  "Acc_type" : "Z"
}

```

```
> db.Customer.aggregate({$group:({ id:"$cust_id",min_bal:{$min:"$Accbal"},max_bal:{$max:"$Accbal"})});
2020-10-12T16:15:52.867+0530 E QUERY [js] SyntaxError: missing } after property list @($shell):1:32
> db.Customer.aggregate({$group:({_id:"$cust_id",min_bal:{$min:"$Accbal"},max_bal:{$max:"$Accbal"})});
{ "_id" : 3, "min_bal" : 1300, "max_bal" : 5000 }
{ "_id" : 2, "min_bal" : 2000, "max_bal" : 2000 }
{ "_id" : 4, "min_bal" : 1000, "max_bal" : 5500 }
{ "_id" : 1, "min_bal" : 1500, "max_bal" : 1500 }
```

Mongodb Export and import:

```
C:\Program Files\MongoDB\Server\4.0\bin>mongoexport --db db2 --collection Customer --type=csv --fieldFile g:\f2.txt --out g:\d1.csv
2020-10-12T16:20:38.999+0530    connected to: localhost
2020-10-12T16:20:39.005+0530    exported 6 records
```



```
C:\Program Files\MongoDB\Server\4.0\bin>mongoimport --db db2 --collection Customer2 --type=csv --headerline --file g:\d1.csv
2020-10-12T16:21:32.809+0530    connected to: localhost
2020-10-12T16:21:33.028+0530    imported 6 documents
```

d1.csv - Microsoft Excel

	A	B	C	D	E	F	G	H	I	J	K	L
1	cust_id	Accbal	Acc_type									
2	1	1500	A									
3	2	2000	Z									
4	3	5000	Z									
5	4	5500	Z									
6	3	1300	A									
7	4	1000	A									

```
> db.Customer2.find().pretty();
{
  "_id" : ObjectId("5f843534b295c03e1184564a"),
  "cust_id" : 1,
  "Accbal" : 1500,
  "Acc_type" : "A"
}
{
  "_id" : ObjectId("5f843534b295c03e1184564b"),
  "cust_id" : 3,
  "Accbal" : 1300,
  "Acc_type" : "A"
}
{
  "_id" : ObjectId("5f843534b295c03e1184564c"),
  "cust_id" : 4,
  "Accbal" : 1000,
  "Acc_type" : "A"
}
{
  "_id" : ObjectId("5f843534b295c03e1184564d"),
  "cust_id" : 3,
  "Accbal" : 5000,
  "Acc_type" : "Z"
}
{
  "_id" : ObjectId("5f843534b295c03e1184564e"),
  "cust_id" : 2,
  "Accbal" : 2000,
  "Acc_type" : "Z"
}
{
  "_id" : ObjectId("5f843534b295c03e1184564f"),
  "cust_id" : 4,
  "Accbal" : 5500,
  "Acc_type" : "Z"
}
```

Drop query:

```
> db.Customer.drop();  
true  
>
```