

Kristen Lee
CS 5200 – Database Management Systems
HW 9

1. {purchaseMethod: "In store"}
2. 2819
3. {purchaseMethod: "Online", storeLocation: "Denver"}
4. 513
5. {couponUsed: true, storeLocation: "Austin"}
6. 58
7. {purchaseMethod: "In store", "customer.gender": "F"}
8. 1430
9. { "items.name": "laptop", storeLocation: "London", "\$or": [{ couponUsed: true, {purchaseMethod: "Online"}}] }
10. 133
11. { "items": { \$elemMatch: { "name": "backpack", "tags": { \$size: 3 } } } }
12. 2309
13. { "items.name": "envelopes", "items.quantity": { \$gt: 9 } }
14. 916
15. { \$and: [{ storeLocation: "Austin" }, { "items": { \$elemMatch: { "name": "binder", "price": { \$gt: 20 } } } }] }
16. 282
17. { "items.name": "backpack", storeLocation: "New York", purchaseMethod: "Online", "customer.satisfaction": { \$gt: 3 } }
18. 49
19. { "items.name": "backpack", "items.tags": { \$size: 2 } }
20. 1245
21. { \$and: [{ "customer.gender": "F" }, { storeLocation: "San Diego" }, { "items.name": "pens" }] }
22. 118
23. { "items.name": "printer paper", "items": { \$elemMatch: { "tags": { \$all: ["writing", "office", "school", "stationary"] } } } }
24. 1717
25. { purchaseMethod: "In store", couponUsed: true, "customer.age": { \$gte: 30, \$lte: 50 } }
26. 141
27. { "items.price": 40, "items.name": { "\$all": ["laptop", "notepad"] } }
28. London
29. { "items.name": "binder", purchaseMethod: "Phone", "customer.age": { \$gte: 10, \$lte: 20 } }
30. 15
31. { storeLocation: "San Diego", "items.name": "pens", "items.quantity": { \$gt: 5 } }
32. 173
33. { saleDate: { \$gt: new Date('2013-06-21') }, "items.name": "envelopes" }
34. 3011