**Insert the document**

**{ x : 3 , y : 4 }**

**Into the temperature collection for the test database.**

**Ans.** db.temperature.insert({x:3,y:4})

**Description: The collection will initially be empty, but you can check for your**

**document after insertion. The shell will automatically add an \_id field to the**

**inserted document. You should only insert the one document.**

Check all that are true about the \_id field:

a) It must be of type ObjectId()

b) It must exist in every document

c) It can be changed

d) It must be unique inside the collection

e) It is automatically indexed

**Ans.**

b) It must exist in every document

d) It must be unique inside the collection

e) It is automatically indexed

**What operations could cause an existing document to be moved on disk?**

**Check all that apply.**

a) Adding items to an array

b) Removing a field

c) Changing a fields value

d) Adding new fields to an existing document

e) Inserting a sub-document into an existing document

**Ans.**

a) Adding items to an array

c) Changing a fields value

d) Adding new fields to an existing document

e) Inserting a sub-document into an existing document

**Description: We have initialized documents in the user’s collection of the**

**form:**

**{**

**\_id : ObjectId("50897dbb9b96971d287202a9"),**

**name : "Jane",**

**likes : [ "tennis", "golf" ],**

**registered : false,**

**addr : {**

**city : "Lyon",**

**country : "France"**

**}**

**}**

**Delete all documents in the collection where city is "Lyon" and registered is**

**false.**

**Ans.** db.users.remove({ "addr.city" : "Lyon", "registered" : false})

**Which of the following are disadvantages to setting multi=false (as it is by**

**default)?**

a) Updates on non-indexed query fields will take longer.

b) Updates on indexed query fields will take longer.

c) Updates that the user may have intended to match multiple documents will

exit prematurely, after only one update.

d) Updates that match only one document will take longer.

**Ans.**

c) Updates that the user may have intended to match multiple documents will

exit prematurely, after only one update.

**Description: We have initialized documents in the user’s collection, one of**

**which is the following:**

**{**

**\_id : "Jane",**

**likes : [ "tennis", "golf" ],**

**registered : false,**

**addr : {**

**city : "Lyon",**

**country : "France"**

**}**

**}**

**In the shell, add that this user likes "football". You should not need to pass**

**"tennis" or "golf" to the update query at all.**

**Ans. >** db.users.update( {}, { "$addToSet" :{ "likes" : "football" }}, { "upsert":true,"multi":true})

**What are the basic building blocks of the wire protocol? Check all that apply.**

a) GetMore

b) Insert

c) Query

d) Remove

e) Update

f) Command

**Ans.**

b) Insert

c) Query

d) Remove

e) Update

f) Command

**Which of the following are user commands (as opposed to admin**

**commands)? Check all that apply.**

a) count

b) aggregate

c) drop

d) MapReduce

e) addShard

f) FindAndModify

g) serverStatus

**Ans.**

a) count

b) aggregate

d) MapReduce

f) FindAndModify

**When running the command db.serverStatus() in the shell, what does the**

**“ok” field represent?**

a) That the command was sent and received properly by the mongod

b) That the master db process is ok

c) That the shell is running properly

d) That the daemon to which you are connected is ok

e) That the daemon has master status

**Ans.**

a) That the command was sent and received properly by the mongod

**If you’re looking for problems with database performance, what is a good**

**place to look, when you run db.currentOp()?**

a) “ok”: false

b) “secs\_running”: (look for long times)

c) “secs\_running”: (look for short times)

d) "opid", because you always want to killOp() everything to clean things up.

e) "opid": (something that is not sequential with the rest)

**Ans.**

b) “secs\_running”: (look for long times)

**db.collection.remove({}), which removes all messages in a collection, is it the**

**same as db.collection.drop(), which drops the collection?**

a) True

b) False

**Ans.** b) False

**Which of these statements is true?**

a) MongoDB commands are for administrator use only.

b) In MongoDB collections are usually created implicitly.

c) In MongoDB indexes are usually created implicitly.

**Ans.** b) In MongoDB collections are usually created implicitly.