

# Pointers to Curious Cats questions

## Milestone 2

Find out an alternative command to print out collections in a database other than `db.getCollectionNames()`

The **show collections** command can be used for the same

## Milestone 3

Can the `_id` attribute be set using the `insert()` method? What if an already existing `_id` value is tried to add?

Yes, the `_id` attribute can be manually set but the document will fail to be inserted if it's a duplicate

```
> db.reservations.insert({ "_id" : ObjectId("6d4da0b4205e6bc27500008d"), "reservation_id" : "C292A55CE", "city" : "London", "starts_at" : "2019-06-05T20:13:58", "ends_at" : "2019-06-09T20:13:58" })
WriteResult({ "nInserted" : 1 })
>
> db.reservations.insert({ "_id" : ObjectId("6d4da0b4205e6bc27500008d"), "reservation_id" : "C292A55CE", "city" : "London", "starts_at" : "2019-06-05T20:13:58", "ends_at" : "2019-06-09T20:13:58" })
WriteResult({
  "nInserted" : 0,
  "writeError" : {
    "code" : 11000,
    "errmsg" : "E11000 duplicate key error collection: qtravels.reservations index: _id_ dup key: { : ObjectId('6d4da0b4205e6bc27500008d') }"
  }
})
> []
```

## Milestone 4

A new offer gives any customer with reservations for more than 7 days an additional stay of one day for free. Apply this offer to the reservations collection.

The command to be used is

...

```

db.reservations.find(
{
  $where : function()
  {
    return new Date(this.ends_at).getTime() - new Date(this.starts_at).getTime() >=
      7 * 24 * 60 * 60 * 1000;
  }
}).forEach( function(reservation)
{
  reservation.ends_at = new Date(new Date(reservation.ends_at).getTime() + 24 *
    60 * 60 * 1000);
  db.reservations.save(reservation);
});
...

```

```

> db.reservations.find({"city" : "Bangalore"})
{ "_id" : ObjectId("5f4dc6a81c38107c94c0e88f"), "reservation_id" : "E241F00A7", "city" : "Bangalore", "starts_at" : "2020-09-06T20:13:58", "ends_at" : "2020-09-12T20:13:58" }
{ "_id" : ObjectId("5f4dc6ae1c38107c94c0e890"), "reservation_id" : "E241F00A7", "city" : "Bangalore", "starts_at" : "2020-09-06T20:13:58", "ends_at" : ISODate("2020-09-14T14:43:58Z") }
{ "_id" : ObjectId("5f4dc6b11c38107c94c0e891"), "reservation_id" : "E241F00A7", "city" : "Bangalore", "starts_at" : "2020-09-06T20:13:58", "ends_at" : ISODate("2020-09-15T14:43:58Z") }
>
>
> db.reservations.find({$where : function() {return new Date(this.ends_at.toString()).getTime() - new Date(this.starts_at).getTime() >= 7 * 24 * 60 * 60 * 1000;}}).forEach( function(reservation) { reservation.ends_at = new Date(new Date(reservation.ends_at).getTime() + 24 * 60 * 60 * 1000); db.reservations.save(reservation) });
>
> db.reservations.find({"city" : "Bangalore"})
{ "_id" : ObjectId("5f4dc6a81c38107c94c0e88f"), "reservation_id" : "E241F00A7", "city" : "Bangalore", "starts_at" : "2020-09-06T20:13:58", "ends_at" : "2020-09-12T20:13:58" }
{ "_id" : ObjectId("5f4dc6ae1c38107c94c0e890"), "reservation_id" : "E241F00A7", "city" : "Bangalore", "starts_at" : "2020-09-06T20:13:58", "ends_at" : ISODate("2020-09-15T14:43:58Z") }
{ "_id" : ObjectId("5f4dc6b11c38107c94c0e891"), "reservation_id" : "E241F00A7", "city" : "Bangalore", "starts_at" : "2020-09-06T20:13:58", "ends_at" : ISODate("2020-09-16T14:43:58Z") }
>

```