Task 23 - Practical 1

Create 5 documents + ford fiesta document

```
}
test> db.cars.find()
[
  {
    _id: ObjectId('665f2f7ae3026ef90acdcdf6'),
    Model: 2009,
    Make: 'Vauxhall Corsa',
    Colour: 'Blue',
    Registration: 'DW70 EOH',
    Owner: 'Carly MacCall',
    Address: '13 Mary St Road, Dublin, Ireland, DO7 PKW5'
  },
  {
    _id: ObjectId('665f3035e3026ef90acdcdf7'),
    Model: 2012,
    Make: 'Fiat 500',
    Colour: 'White',
    Registration: 'BG22 KXX',
    Owner: 'Harley Bailey',
    Address: '58 Pastoral Way, Brentwood, England, CM14 5WF'
  },
  {
    _id: ObjectId('665f30cbe3026ef90acdcdf8'),
    Model: 2020,
    Make: 'KIA Rio',
    Colour: 'Black',
    Registration: 'MW69 LRU',
    Owner: 'Gyall Reily',
    Address: '75 Reddown Road, Coulsdon, England, CR5 1AL'
  },
```

```
    Address: '75 Reddown Road, Coulsdon, England, CR5 1AL'
  },
  {
    _id: ObjectId('665f3184e3026ef90acdcdf9'),
    Model: 2019,
    Make: 'BMW 2 Series',
    Colour: 'Grey',
    Registration: 'MK21 SNX',
    Owner: 'Darren Slater',
    Address: '9 Tolpits Lane, Watford, England, WD18 6NS'
  },
  {
    _id: ObjectId('665f3245e3026ef90acdcdfa'),
    Model: 2023,
    Make: 'Jeep Compass',
    Colour: 'Black',
    Registration: 'EU72 TWE',
    Owner: 'Milly Crawford',
    Address: '42 Neath Road, Bristol, England, BS5 9AP'
  },
  {
    _id: ObjectId('665f32c3e3026ef90acdcdfb'),
    Model: 2005,
    Make: 'Ford Fiesta',
    Registration: 'ABC 123 GP',
    Owner: 'Sue Bailey',
    Address: '13 Main Road, Johannesburg, South Africa'
  }
]
test>
```

Update Sue Bailey's address:

```
]
test> db.cars.updateOne({Model: 2005}, {$set: {Address: "21 Maureen Street,"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
test> db.cars.updateOne({Model: 2005}, {$set: {Address: "21 Maureen Street, Bluewater Bay, Port Elizabeth, South Africa"
}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
test>  db.cars.find({Model: 2005})
[
  {
    _id: ObjectId('665f32c3e3026ef90acdcdfb'),
    Model: 2005,
    Make: 'Ford Fiesta',
    Registration: 'ABC 123 GP',
    Owner: 'Sue Bailey',
    Address: '21 Maureen Street, Bluewater Bay, Port Elizabeth, South Africa'
  }
]
test>
```

Update Sue bailey to Sue Smith:

```
[
  {
    _id: ObjectId('665f32c3e3026ef90acdcdfb'),
    Model: 2005,
    Make: 'Ford Fiesta',
    Registration: 'ABC 123 GP',
    Owner: 'Sue Bailey',
    Address: '21 Maureen Street, Bluewater Bay, Port Elizabeth, South Africa'
  }
]
test> db.cars.updateOne({Model: 2005}, {$set: {Owner: "Sue Smith"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
test> db.cars.find({Model: 2005})
[
  {
    _id: ObjectId('665f32c3e3026ef90acdcdfb'),
    Model: 2005,
    Make: 'Ford Fiesta',
    Registration: 'ABC 123 GP',
    Owner: 'Sue Smith',
    Address: '21 Maureen Street, Bluewater Bay, Port Elizabeth, South Africa'
  }
]
test> db.cars.find({Model: { $lt: 2019}}).pretty()
```

Show cars older than 5 years old

```
test> db.cars.find({Model: { $lt: 2019}}).pretty()
[
  {
    _id: ObjectId('665f2f7ae3026ef90acdcdf6'),
    Model: 2009,
    Make: 'Vauxhall Corsa',
    Colour: 'Blue',
    Registration: 'DW70 EOH',
    Owner: 'Carly MacCall',
    Address: '13 Mary St Road, Dublin, Ireland, DO7 PKW5'
  },
  {
    _id: ObjectId('665f3035e3026ef90acdcdf7'),
    Model: 2012,
    Make: 'Fiat 500',
    Colour: 'White',
    Registration: 'BG22 KXX',
    Owner: 'Harley Bailey',
    Address: '58 Pastoral Way, Brentwood, England, CM14 5WF'
  },
  {
    _id: ObjectId('665f32c3e3026ef90acdcdfb'),
    Model: 2005,
    Make: 'Ford Fiesta',
    Registration: 'ABC 123 GP',
    Owner: 'Sue Smith',
    Address: '21 Maureen Street, Bluewater Bay, Port Elizabeth, South Africa'
  }
]
test>
```

Create another Sue Smith and Ford fiesta document:

```
    Address: '9 Tolpits Lane, Watford, England, WD18 6NS'
  },
  {
    _id: ObjectId('665f3245e3026ef90acdcdfa'),
    Model: 2023,
    Make: 'Jeep Compass',
    Colour: 'Black',
    Registration: 'EU72 TWE',
    Owner: 'Milly Crawford',
    Address: '42 Neath Road, Bristol, England, BS5 9AP'
  },
  {
    _id: ObjectId('665f32c3e3026ef90acdcdfb'),
    Model: 2005,
    Make: 'Ford Fiesta',
    Registration: 'ABC 123 GP',
    Owner: 'Sue Smith',
    Address: '21 Maureen Street, Bluewater Bay, Port Elizabeth, South Africa'
  },
  {
    _id: ObjectId('665f39fce3026ef90acdcdfc'),
    Model: 2009,
    Make: 'Ford Fiesta',
    Colour: 'Red',
    Registration: 'TJ10 DXO',
    Owner: 'Sue Smith',
    Address: '29 Fotheringham Road, Enfield, England, EN1 1QF'
  }
]
test>
```

Delete original Sue Smith/Bailey:

```
    Model: 2023,
    Make: 'Jeep Compass',
    Colour: 'Black',
    Registration: 'EU72 TWE',
    Owner: 'Milly Crawford',
    Address: '42 Neath Road, Bristol, England, BS5 9AP'
  },
  {
    _id: ObjectId('665f39fce3026ef90acdcdfc'),
    Model: 2009,
    Make: 'Ford Fiesta',
    Colour: 'Red',
    Registration: 'TJ10 DXO',
    Owner: 'Sue Smith',
    Address: '29 Fotheringham Road, Enfield, England, EN1 1QF'
  },
  {
    _id: ObjectId('66673fdb51be2f7849cdcdf6'),
    Model: 2005,
    Make: 'Ford Fiesta',
    Registration: 'ABC 123 GP',
    Owner: 'Sue Smith',
    Address: '21 Maureen Street, Bluewater Bay, Port Elizabeth, South Africa'
  }
]
test> db.cars.deleteOne({Model: 2005})
{ acknowledged: true, deletedCount: 1 }
test> db.cars.find()
[
  {
```

```
  },
  {
    _id: ObjectId('665f3184e3026ef90acdcdf9'),
    Model: 2019,
    Make: 'BMW 2 Series',
    Colour: 'Grey',
    Registration: 'MK21 SNX',
    Owner: 'Darren Slater',
    Address: '9 Tolpits Lane, Watford, England, WD18 6NS'
  },
  {
    _id: ObjectId('665f3245e3026ef90acdcdfa'),
    Model: 2023,
    Make: 'Jeep Compass',
    Colour: 'Black',
    Registration: 'EU72 TWE',
    Owner: 'Milly Crawford',
    Address: '42 Neath Road, Bristol, England, BS5 9AP'
  },
  {
    _id: ObjectId('665f39fce3026ef90acdcdfc'),
    Model: 2009,
    Make: 'Ford Fiesta',
    Colour: 'Red',
    Registration: 'TJ10 DXO',
    Owner: 'Sue Smith',
    Address: '29 Fotheringham Road, Enfield, England, EN1 1QF'
  }
]
test>
```

Create a document to store previous car owners:

```
owner
owners
test> db.owner.drop()
true
test> db.owners.drop()
true
test> db.createCollection("owners")
{ ok: 1 }
test> db.owners.insertOne({Model: 2023, Make: "Jeep Compass", Colour: "Black", Registration: "EU72 TWE", CurrentOwner: "
Milly Crawford", PreviousOwners: ["David Hamilltion", "Sarah Bird", "Bryan Cain"]})
{
  acknowledged: true,
  insertedId: ObjectId('665f4176e3026ef90acdce00')
}
test> db.owners.find()
[
  {
    _id: ObjectId('665f4176e3026ef90acdce00'),
    Model: 2023,
    Make: 'Jeep Compass',
    Colour: 'Black',
    Registration: 'EU72 TWE',
    CurrentOwner: 'Milly Crawford',
    PreviousOwners: [ 'David Hamilltion', 'Sarah Bird', 'Bryan Cain' ]
  }
]
test> show collections
cars
owners
test>
```