

1. Buatlah serta jalankan query untuk membuat lebih dari 1 document baru yang menggunakan semua jenis tipe data.

```
35 //           properties: {
36 //             continent: {
37 //               bsonType: "string",
38 //               description: "'continent' harus dalam !
39 //             },
40 //             last_update: {
41 //               bsonType: "date",
42 //               description: "'last_update' harus dalam
43 //             }
44 //           }
45 //         }
46 //       });
47
48 db.createCollection("staff")
49
50 db.staff.insertOne(
51   {
52     id : 1 ,
53     Nama : "Zidan", // string
54     Alamat : "Bogor", // string
55     Hp : 084824829342, // int
56     Berat_Badan : 70.1, // Decimal
57     Hidup : true, //boolean
58     Tanggal_Masuk : new Date(), // Date
59     History : ["SDN", "SMPN"], // array
60     Id_Product : ObjectId()
61   }
62 )
```

```
1 {
2   "acknowledged": true,
3   "insertedId": {
4     "$oid": "660b8f34becb1d2c74c7abae"
5   }
6 }
```

2. . Buatlah collection baru serta tambahkan validator dengan minimal 2 field.

```
22 //           as: "join"
23 //         }
24 //       }
25 //     ]];
26
27
28 db.createCollection("office", {
29   validator: {
30     $jsonSchema: {
31       bsonType: "object",
32       title: "office Validation",
33       required: ["office", "last_update"],
34       properties: {
35         continent: {
36           bsonType: "string",
37           description: "'office' harus dalam bentuk
38         },
39         last_update: {
40           bsonType: "date",
41           description: "'last_update' harus dalam be
42         }
43       }
44     }
45   }
46 });
47
```

```
1 {
2   "ok": 1
3 }
```

3. Buat dan jalankan query untuk menambahkan data yang valid kedalam collection yang sudah ada validatornya.

```
basdatlan> db.office.insertOne({ office : "Bogor" , last_update : ISODate() })
{
  acknowledged: true,
  insertedId: ObjectId('660b9072b262b56036d14a10')
}
```

4. Buat dan jalankan query untuk menambahkan data yang tidak valid kedalam collection yang sudah ada validatornya

```
basdatlan> db.office.insertOne({ office : "Bogor" , last_update : "2-April-2024"})
Uncaught:
MongoServerError: Document failed validation
Additional information: {
  failingDocumentId: ObjectId('660b903db262b56036d14a0f'),
  details: {
    operatorName: '$jsonSchema',
    title: 'office Validation',
    schemaRulesNotSatisfied: [
      {
        operatorName: 'properties',
        propertiesNotSatisfied: [
          {
            propertyName: 'last_update',
            description: "'last_update' harus dalam bentuk tanggal dan wajib diisi",
            details: [
              {
                operatorName: 'bsonType',
                specifiedAs: { bsonType: 'date' },
                reason: 'type did not match',
                consideredValue: '2-April-2024',
                consideredType: 'string'
              }
            ]
          }
        ]
      }
    ]
  }
}
```

5. Buat dan jalankan dua buah query lookup pada database rentalfilm yang telah dibuat selain pada collection country dan city.

```
3 // To disable this template go to Set
4 // Make sure you are connected to ena
5 // Use Ctrl+Space inside a snippet or
6 // The result of the last command run
7 // By default the first 20 documents
8 // Use 'console.log()' to print to th
9 // For more documentation on playgrou
10 // https://www.mongodb.com/docs/mongoc
11
12 // Select the database to use.
13 use('basdatlan');
14
15 // Insert a few documents into the sa
16 db.film.aggregate([
17   {
18     $lookup: {
19       from: "language",
20       localField: "id",
21       foreignField: "LanguageID
22     as: "join"
23   }
24 ]);
25
26
27 // db.createCollection("office", {
28 //   validator: {
29 //     $jsonSchema: {
30 //       bsonType: "object",
31 //       title: "office Validation"
32 //     }
33 //   }
34 // });
35
36 [
37   {
38     "_id": {
39       "$oid": "660b1f2d88f5c5df37ca2d50"
40     },
41     "ID": 1,
42     "LanguageID": 1,
43     "Title": "Remaja",
44     "Description": "adfds",
45     "Release_Year": 2007,
46     "Rental_Duration": 32,
47     "Rental_Rate": 34,
48     "Length": 12,
49     "Replacement_Cost": 2000,
50     "Rating": 91,
51     "Last_Update": "2024-03-19 11:03:24",
52     "Special_Features": "Gaada",
53     "Full_text": "Gaada",
54     "join": [
55       {
56         "_id": {
57           "$oid": "660b1f7a88f5c5df37ca2d5b"
58         },
59         "ID": 1,
60         "Name": "Indo",
61         "Last_Update": "2024-03-12 11:02:41"
62       }
63     ]
64   }
65 ]
```

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