

In Class Assignment 4

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The image shows a MongoDB Compass interface and a terminal window. The Compass window displays the 'Copyrights' collection in the 'intellectual_properties' database. A query is entered in the query bar: `{ "type": "query": { "PATID": "value": 1 } or "Semester": "query" }`. The results table shows one document with fields: `_id` (ObjectId), `title` (string), `registration_number` (string), `registration_date` (string), `authors` (array), and `description` (string). The document data is: `{ "_id": ObjectId("60a1e440f971..."), "title": "The Art of Cooking: a C...", "registration_number": "12345678", "registration_date": "2022-08-08", "authors": [], "description": "A cookbook..." }`.

The terminal window shows the following commands and output:

```
> use mydatabase.intellectualProperties
MongoDB> use intellectualProperties
MongoDB> use test
MongoDB> use intellectual_properties
MongoDB> db.createCollection("Patents Collection")
MongoDB> db.createCollection("Trademarks Collection")
MongoDB> db.createCollection("Copyrights Collection")
MongoDB> db.createCollection("Inventors Collection")
MongoDB> db.createCollection("License Agreements Collection")
MongoDB> db.patents.insertMany([
  {
    "title": "Method for DNA Sequencing",
```

MongoDB Compass - Intellectual Properties Copyrights

Current Set View Collection only

hds

My Queries Performance Databases admin intellectual_properties Copyrights Invents

intellectual_properties | Copyrights

Documents | Aggregations Schema Indexes | Validation

Type a query (FIND) "value" or [Generate query](#)

EXPLAIN RUN FIND Options

ADD DATA EXPORT DATA UPDATE DELETE

1 - 10 of 10

id	id ObjectId	title String	registration_number String	registration_date String	authors Array	description ?
1	ObjectId('60a7f6e4402197')	"The Art of Cooking: A C...	"12345678"	"2022-05-18"	[] 1 elements	"A cookbook"

2. MONGODB

```
{
  "title": "Method for DNA Sequencing",
  "patent_number": "US1234567",
  "inventors": ["John Smith", "Emily Johnson"],
  "filing_date": "2022-05-10",
  "grant_date": "2024-08-28",
  "description": "A method for efficient DNA sequencing using nanopore technology.",
  "documents": ["patent_us1234567.pdf"]
},
{
  "title": "Self-Driving Car Technology",
  "patent_number": "US2345678",
  "inventors": ["David Brown", "Sophia Lee"],
  "filing_date": "2022-10-15",
  "grant_date": "2023-12-18",
  "description": "An autonomous vehicle system that utilizes deep learning algorithms for navigation.",
  "documents": ["patent_us2345678.pdf"]
},
{
  "title": "Smart Home Automation",
  "patent_number": "US3456789",
  "inventors": ["Michael Johnson", "Olivia White"],
  "filing_date": "2023-03-22",
  "grant_date": "2025-06-05",
  "description": "A home automation system that integrates various smart devices for centralized control.",
  "documents": ["patent_us3456789.pdf"]
}
```

MongoDB Compass - Intellectual Properties Copyrights

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hds

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intellectual_properties | Copyrights

Documents | Aggregations Schema Indexes | Validation

Type a query (FIND) "value" or [Generate query](#)

EXPLAIN RUN FIND Options

ADD DATA EXPORT DATA UPDATE DELETE

1 - 10 of 10

id	id ObjectId	title String	registration_number String	registration_date String	authors Array	description ?
4	ObjectId('60a7f6e4402197')	"The Art of Cooking: A C...	"12345678"	"2022-05-18"	[] 1 elements	"A cookbook"

3. MONGODB

```
{
  "title": "Medical Device for Diagnosing Heart Conditions",
  "patent_number": "US4567890",
  "inventors": ["Andrew Miller", "Olivia Taylor"],
  "filing_date": "2024-01-05",
  "grant_date": "2025-04-15",
  "description": "A portable device for detecting heart abnormalities through ECG analysis.",
  "documents": ["patent_us4567890.pdf"]
},
{
  "title": "Solar-Powered Water Purification System",
  "patent_number": "US5678901",
  "inventors": ["Daniel Wilson", "Ava Martinez"],
  "filing_date": "2023-08-20",
  "grant_date": "2024-12-10",
  "description": "A water purification system powered by solar energy for remote areas.",
  "documents": ["patent_us5678901.pdf"]
},
{
  "title": "Blockchain-Based Voting System",
  "patent_number": "US6789012",
  "inventors": ["Sophia Brown", "Max Johnson"],
  "filing_date": "2024-03-10",
  "grant_date": "2026-09-01",
  "description": "A secure and transparent voting system utilizing blockchain technology.",
  "documents": ["patent_us6789012.pdf"]
}
```

MongoDB Compass - IntellectualPropertiesCopyrights

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hds

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IntellectualProperties | Copyrights

Documents | Aggregations Schema Indexes | Validation

Type a query: (FIND) "value" or Generate query

EXPLORE RESET FIND OPTIONS

ADD DATA EXPORT DATA UPDATE DELETE

1 - 10 of 10

_id	title	registration_number	registration_date	authors	description	
1	Reject2f78607894021937...	"The Art of Cooking: A C...	"12345678"	"2023-05-10"	[] elements	"A cookbook"

```
{
  "grant_date": "2023-05-10",
  "description": "A secure and transparent voting system based on blockchain technology.",
  "documents": ["patent_us8789432.pdf"]
},
{
  "title": "Biodegradable Packaging Material",
  "patent_number": "US7890123",
  "inventors": ["Sam Davis", "Ella Thompson"],
  "filing_date": "2021-04-10",
  "grant_date": "2022-09-10",
  "description": "An environmentally-friendly packaging material that decomposes naturally.",
  "documents": ["patent_us7890123.pdf"]
},
{
  "title": "Wireless Charging Technology",
  "patent_number": "US6901234",
  "inventors": ["Noah Clark", "Lily Wilson"],
  "filing_date": "2020-07-10",
  "grant_date": "2024-07-01",
  "description": "A system for wirelessly charging electronic devices using electromagnetic induction.",
  "documents": ["patent_us6901234.pdf"]
},
{
  "title": "Artificial Intelligence for Personalized Medicine",
  "patent_number": "US0123450",
  "inventors": ["Oliver White", "Chloe Davis"],
  "filing_date": "2020-04-05",
  "grant_date": "2023-08-10",
  "description": "An AI-driven platform for analyzing genetic data and recommending personalized medical treatments.",
  "documents": ["patent_us0123450.pdf"]
}
],
{
  acknowledged: true,
  insertedIds: [
    "66107e1203170f4933423360",
    "66107e1203170f4933423361",
    "66107e1203170f4933423362",
    "66107e1203170f4933423363",
    "66107e1203170f4933423364",
    "66107e1203170f4933423365",
    "66107e1203170f4933423366",
    "66107e1203170f4933423367",
    "66107e1203170f4933423368",
    "66107e1203170f4933423369",
    "66107e1203170f4933423370"
  ]
}
```

MongoDB Compass - IntellectualPropertiesCopyrights

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My Queries Performance Databases admin intellectual_properties Copyrights Invents

IntellectualProperties | Copyrights

Documents | Aggregations Schema Indexes | Validation

Type a query: (FIND) "value" or Generate query

EXPLORE RESET FIND OPTIONS

ADD DATA EXPORT DATA UPDATE DELETE

1 - 10 of 10

_id	title	registration_number	registration_date	authors	description	
1	Reject2f78607894021937...	"The Art of Cooking: A C...	"12345678"	"2023-05-10"	[] elements	"A cookbook"

```
{
  "title": "Artificial Intelligence for Personalized Medicine",
  "patent_number": "US0123450",
  "inventors": ["Oliver White", "Chloe Davis"],
  "filing_date": "2020-04-05",
  "grant_date": "2023-08-10",
  "description": "An AI-driven platform for analyzing genetic data and recommending personalized medical treatments.",
  "documents": ["patent_us0123450.pdf"]
}
],
{
  acknowledged: true,
  insertedIds: [
    "66107e1203170f4933423360",
    "66107e1203170f4933423361",
    "66107e1203170f4933423362",
    "66107e1203170f4933423363",
    "66107e1203170f4933423364",
    "66107e1203170f4933423365",
    "66107e1203170f4933423366",
    "66107e1203170f4933423367",
    "66107e1203170f4933423368",
    "66107e1203170f4933423369",
    "66107e1203170f4933423370"
  ]
}
```

MongoDB Compass - Intellectual properties/Copyrights

Current Set View Collection Help

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My Queries Performance Databases admin intellectual_properties Copyrights trademarks

Intellectual_properties | Copyrights

Documents | Aggregations Schema Indexes Validation

Type a query: (FIND) "value" or [Generate query](#)

EXPLAIN RUN FIND OPTIONS

ADD DATA EXPORT DATA UPDATE DELETE

1 - 10 of 10

id ObjectId	title String	registration_number String	registration_date String	holders Array	Description
1	Register "The Art of Cooking" by [redacted]	"12345678"	"2023-05-18"	[] elements	"A cookbook"

2. MONGODB

```
db.trademarks.insertMany([
  {
    "trademark_name": "TechMaster",
    "registration_number": "TM123456",
    "registration_date": "2023-07-15",
    "owner": "Global Innovations Inc.",
    "goods_or_services": "Software development services",
    "notes": "Registered trademark for our flagship software product."
  },
  {
    "trademark_name": "EcoFresh",
    "registration_number": "TM987654",
    "registration_date": "2022-11-20",
    "owner": "Green Solutions Ltd.",
    "goods_or_services": "Eco-friendly cleaning products",
    "notes": "Trademark registered for our line of environmentally friendly cleaning solutions."
  },
  {
    "trademark_name": "FitFlow",
    "registration_number": "TM654321",
    "registration_date": "2024-02-10",
    "owner": "Fitness Innovations LLC",
    "goods_or_services": "Fitness equipment",
    "notes": ""
  }
])
```

2% Cpu

MongoDB Compass - Intellectual properties/Copyrights

Current Set View Collection Help

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Intellectual_properties | Copyrights

Documents | Aggregations Schema Indexes Validation

Type a query: (FIND) "value" or [Generate query](#)

EXPLAIN RUN FIND OPTIONS

ADD DATA EXPORT DATA UPDATE DELETE

1 - 10 of 10

id ObjectId	title String	registration_number String	registration_date String	holders Array	Description
1	Register "The Art of Cooking" by [redacted]	"12345678"	"2023-05-18"	[] elements	"A cookbook"

3. MONGODB

```
{
  "trademark_name": "FashionFusion",
  "registration_number": "TM987654",
  "registration_date": "2021-06-25",
  "owner": "Trendy Apparel Co.",
  "goods_or_services": "Clothing and fashion accessories",
  "notes": "Registered trademark for our fashion brand offering trendy fusion wear."
},
{
  "trademark_name": "HealthFirst",
  "registration_number": "TM654321",
  "registration_date": "2023-09-30",
  "owner": "Wellness Enterprises Inc.",
  "goods_or_services": "Healthcare services",
  "notes": "Trademark registered for our healthcare service brand emphasizing prioritizing health."
},
{
  "trademark_name": "HomeWorx",
  "registration_number": "TM123456",
  "registration_date": "2022-04-05",
  "owner": "Harmony Living Solutions",
  "goods_or_services": "Home decor and interior design services",
  "notes": "Trademark registered for our home decor brand offering products and design services."
}
```

2% Cpu

MongoDB Compass - IntellectualPropertiesCopyrights

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IntellectualProperties | Copyrights

Documents | Aggregations Schema Indexes | Validation

Type a query: (FIND) "value" } or [Generate query](#)

Explain Run Find Options

ADD DATA EXPORT DATA UPDATE DELETE

1-10 of 10

_id	ObjectID	Entity String	registration_number	String	registration_date	String	holders	Array	Description
1	ObjectId('60a1f6e4401797...')	"The Art of Cooking: a C...	"123440008"		"2023-08-10"		[]	1 elements	"A copyright"

```
{
  "trademark_name": "PetPals",
  "registration_number": "TM099912",
  "registration_date": "2024-01-15",
  "owner": "Animal Allies Inc.",
  "goods_or_services": "Pet care products and services",
  "notes": "Registered trademark for our line of pet-friendly products and services."
},
{
  "trademark_name": "FoodFiesta",
  "registration_number": "TM099913",
  "registration_date": "2023-09-10",
  "owner": "Culinary Creations Ltd.",
  "goods_or_services": "Food catering services",
  "notes": "Trademark registered for our catering service brand specializing in global cuisine."
},
{
  "trademark_name": "ArtisanGaze",
  "registration_number": "TM099914",
  "registration_date": "2022-12-20",
  "owner": "Gourmet Delights Inc.",
  "goods_or_services": "Specialty food products",
  "notes": "Registered trademark for our line of artisanal gourmet food products."
}
```

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IntellectualProperties | Copyrights

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Type a query: (FIND) "value" } or [Generate query](#)

Explain Run Find Options

ADD DATA EXPORT DATA UPDATE DELETE

1-10 of 10

_id	ObjectID	Entity String	registration_number	String	registration_date	String	holders	Array	Description
4	ObjectId('60a1f6e4401797...')	"The Art of Cooking: a C...	"123440008"		"2023-08-10"		[]	1 elements	"A copyright"

```
{
  "trademark_name": "TravelTrek",
  "registration_number": "TM012345",
  "registration_date": "2021-10-05",
  "owner": "Adventure Expeditions LLC",
  "goods_or_services": "Travel agency services",
  "notes": "Trademark registered for our travel agency offering adventure expeditions."
},
{
  "acknowledged": true,
  "updated": {
    "1": ObjectId('60a1f6e4401797a9342336e'),
    "2": ObjectId('60a1f6e4401797a9342336e'),
    "3": ObjectId('60a1f6e4401797a9342336e'),
    "4": ObjectId('60a1f6e4401797a9342336e'),
    "5": ObjectId('60a1f6e4401797a9342336e'),
    "6": ObjectId('60a1f6e4401797a9342336e'),
    "7": ObjectId('60a1f6e4401797a9342336e'),
    "8": ObjectId('60a1f6e4401797a9342336e'),
    "9": ObjectId('60a1f6e4401797a9342336e')
  }
}
```


MongoDB Compass - Intellectual Properties Copyrights

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hds

My Queries Performance Databases admin intellectual_properties Copyrights Invents

intellectual_properties | Copyrights

Documents | Aggregations Schema Indexes Validation

Type a query: (FIND) "value" or Generate query

EXPLORE RESET FIND OPTIONS

ADD DATA EXPORT DATA UPDATE DELETE

1 - 10 of 10

_id	title	registration_number	registration_date	authors	documents
1	"The Art of Cooking: A Culinary Journey"	"CR123456"	"2023-05-18"	["Emily Smith"]	["copyright_cr123456.pdf"]

2. MONGODB

```
db.Copyrights.insertMany([
  {
    "title": "The Art of Cooking: A Culinary Journey",
    "registration_number": "CR123456",
    "registration_date": "2023-05-18",
    "authors": ["Emily Smith"],
    "description": "A comprehensive cookbook featuring recipes from around the world.",
    "documents": ["copyright_cr123456.pdf"]
  },
  {
    "title": "The Symphony of Dreams",
    "registration_number": "CR234567",
    "registration_date": "2023-11-10",
    "authors": ["Michael Johnson"],
    "description": "A collection of poetry exploring themes of love, loss, and dreams.",
    "documents": ["copyright_cr234567.pdf"]
  },
  {
    "title": "Coding with Python: Beginner's Guide",
    "registration_number": "CR345678",
    "registration_date": "2024-03-15",
    "authors": ["David Brown"],
    "description": "A beginner-friendly guide to learning Python programming language."
  }
])
```

2% Cpu

MongoDB Compass - Intellectual Properties Copyrights

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My Queries Performance Databases admin intellectual_properties Copyrights Invents

intellectual_properties | Copyrights

Documents | Aggregations Schema Indexes Validation

Type a query: (FIND) "value" or Generate query

EXPLORE RESET FIND OPTIONS

ADD DATA EXPORT DATA UPDATE DELETE

1 - 10 of 10

_id	title	registration_number	registration_date	authors	documents
4	"The Art of Cooking: A Culinary Journey"	"CR123456"	"2023-05-18"	["Emily Smith"]	["copyright_cr123456.pdf"]

3. MONGODB

```
[
  {
    "title": "Beyond the Canvas: Exploring Modern Art Movements",
    "registration_number": "CR456789",
    "registration_date": "2023-07-05",
    "authors": ["Sophia Lee", "Daniel Wilson"],
    "description": "An in-depth exploration of modern art movements and their impact on contemporary art.",
    "documents": ["copyright_cr456789.pdf"]
  },
  {
    "title": "The Secrets of Mindfulness: A Practical Guide",
    "registration_number": "CR567890",
    "registration_date": "2023-10-20",
    "authors": ["Olivia Taylor"],
    "description": "A practical guide to incorporating mindfulness practices into daily life.",
    "documents": ["copyright_cr567890.pdf"]
  },
  {
    "title": "The Mystery of the Lost Treasure",
    "registration_number": "CR678901",
    "registration_date": "2023-04-15",
    "authors": ["Noah Clark", "Ella Thompson"],
    "description": "A thrilling adventure novel following a group of friends on a quest to find a lost treasure."
  }
]
```

2% Cpu

MongoDB Compass - Intellectual Properties Copyrights

Current: 549 View Collection Help

hds

My Queries Performance Databases admin intellectual_properties Copyrights Invents

intellectual_properties | Copyrights

Documents | Aggregations Schema Indexes Validation

Type a query: (FIND) "value" } or [Generate query](#)

EXPLAIN RESET FIND OPTIONS

ADD DATA EXPORT DATA UPDATE DELETE

1 - 10 of 10

_id	title	registration_number	registration_date	authors	documents
1	"The Art of Cooking: A Guide to Culinary Excellence"	"123456789"	"2023-05-18"	[]	1 elements

```
{
  "title": "Green Living: Sustainable Practices for a Better Planet",
  "registration_number": "CR789012",
  "registration_date": "2024-01-05",
  "authors": ["Lisa Davis"],
  "description": "A guidebook offering practical tips and strategies for adopting sustainable living practices.",
  "documents": ["copyright_cr789012.pdf"]
},
{
  "title": "The Power of Positive Thinking",
  "registration_number": "CR990123",
  "registration_date": "2022-08-20",
  "authors": ["Ethan Wilson"],
  "description": "A motivational book exploring the impact of positive thinking on personal success and happiness.",
  "documents": ["copyright_cr990123.pdf"]
},
{
  "title": "The Ultimate Guide to DIY Home Improvement",
  "registration_number": "CR991234",
  "registration_date": "2022-12-10",
  "authors": ["Ava Martinez"],
  "description": "A comprehensive guidebook for homeowners interested in DIY home improvement projects.",
  "documents": ["copyright_cr991234.pdf"]
}
```

MongoDB Compass - Intellectual Properties Copyrights

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My Queries Performance Databases admin intellectual_properties Copyrights Invents

intellectual_properties | Copyrights

Documents | Aggregations Schema Indexes Validation

Type a query: (FIND) "value" } or [Generate query](#)

EXPLAIN RESET FIND OPTIONS

ADD DATA EXPORT DATA UPDATE DELETE

1 - 10 of 10

_id	title	registration_number	registration_date	authors	documents
1	"The Art of Cooking: A Guide to Culinary Excellence"	"123456789"	"2023-05-18"	[]	1 elements

```
{
  "title": "The Science of Happiness: Unlocking the Secrets to Joyful Living",
  "registration_number": "CR9812345",
  "registration_date": "2021-09-25",
  "authors": ["Mia Garcia", "Oliver Davis"],
  "description": "A scientific exploration of happiness and strategies for leading a more fulfilling life.",
  "documents": ["copyright_cr9812345.pdf"]
}
}
{
  acknowledged: true,
  insertedIds: [
    ObjectId('66c9f9e9321707a9324233e4'),
    ObjectId('66c9f9e9321707a9324233e5'),
    ObjectId('66c9f9e9321707a9324233e6'),
    ObjectId('66c9f9e9321707a9324233e7'),
    ObjectId('66c9f9e9321707a9324233e8'),
    ObjectId('66c9f9e9321707a9324233e9'),
    ObjectId('66c9f9e9321707a9324233ea'),
    ObjectId('66c9f9e9321707a9324233eb'),
    ObjectId('66c9f9e9321707a9324233ec'),
    ObjectId('66c9f9e9321707a9324233ed'),
    ObjectId('66c9f9e9321707a9324233ee'),
    ObjectId('66c9f9e9321707a9324233ef')
  ]
}
```

MongoDB Compass - Intellectual_properties.Copyrights

Current Set View Collection only

hds

My Queries Performance Database admin intellectual_properties Copyrights Invents

Intellectual_properties | Copyrights

Documents | Aggregations Schema Indexes Validation

Type a query (FIND) or [Generate query](#)

EXPLAIN RESET FIND OPTIONS

ADD DATA EXPORT DATA UPDATE DELETE

1 - 10 of 10

_id	title	registration_number	registration_date	authors	description
ObjectId('60a10e4402193...')	"The Art of Cooking: A Culinary Journey"	"US3440078"	"2022-05-18"	[] elements	"A comprehensive..."

```
1 db.invents.insertMany([
2   {
3     "name": "John Smith",
4     "email": "john.smith@example.com",
5     "affiliations": ["ABC Research Institute"],
6     "patents": [
7       {
8         "title": "Smart Home Automation System",
9         "patent_number": "US1234567"
10      },
11      {
12        "title": "Efficient Solar Panel Design",
13        "patent_number": "US2345678"
14      }
15    ],
16     "copyrights": [
17       {
18         "title": "The Art of Cooking: A Culinary Journey",
19         "registration_number": "US123456"
20       }
21     ]
22   },
23   {
24     "name": "Emily Johnson",
25     "email": "emily.johnson@example.com",
26     "affiliations": ["XYZ Innovations Inc."],
27     "patents": [
28       {
29         "title": "Biometric Security System",
30         "patent_number": "US3456789"
31       }
32     ],
33     "copyrights": [
34       {
35         "title": "Coding with Python: Beginner's Guide",
36         "patent_number": "US4567890"
37       }
38     ]
39   },
40   {
41     "name": "David Brown",
42     "email": "david.brown@example.com",
43     "affiliations": ["Tech Solutions Ltd."],
44     "patents": [
45       {
46         "title": "Advanced AI Algorithm for Image Recognition",
47         "patent_number": "US5678901"
48       }
49     ],
50     "copyrights": [
51       {
52         "title": "The Future of Space Exploration",
53         "registration_number": "US6789012"
54       }
55     ]
56   }
57 ], {ordered: false})
```

MongoDB Compass - Intellectual_properties.Copyrights

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My Queries Performance Database admin intellectual_properties Copyrights Invents

Intellectual_properties | Copyrights

Documents | Aggregations Schema Indexes Validation

Type a query (FIND) or [Generate query](#)

EXPLAIN RESET FIND OPTIONS

ADD DATA EXPORT DATA UPDATE DELETE

1 - 10 of 10

_id	title	registration_number	registration_date	authors	description
ObjectId('60a10e4402193...')	"The Art of Cooking: A Culinary Journey"	"US3440078"	"2022-05-18"	[] elements	"A comprehensive..."

```
1 {
2   "name": "Emily Johnson",
3   "email": "emily.johnson@example.com",
4   "affiliations": ["XYZ Innovations Inc."],
5   "patents": [
6     {
7       "title": "Biometric Security System",
8       "patent_number": "US3456789"
9     }
10  ],
11  "copyrights": [
12    {
13      "title": "Coding with Python: Beginner's Guide",
14      "patent_number": "US4567890"
15    }
16  ]
17 },
18 {
19   "name": "David Brown",
20   "email": "david.brown@example.com",
21   "affiliations": ["Tech Solutions Ltd."],
22   "patents": [
23     {
24       "title": "Advanced AI Algorithm for Image Recognition",
25       "patent_number": "US5678901"
26     }
27   ],
28   "copyrights": [
29     {
30       "title": "The Future of Space Exploration",
31       "registration_number": "US6789012"
32     }
33   ]
34 },
35 {
36   "name": "John Smith",
37   "email": "john.smith@example.com",
38   "affiliations": ["ABC Research Institute"],
39   "patents": [
40     {
41       "title": "Smart Home Automation System",
42       "patent_number": "US1234567"
43     },
44     {
45       "title": "Efficient Solar Panel Design",
46       "patent_number": "US2345678"
47     }
48   ],
49   "copyrights": [
50     {
51       "title": "The Art of Cooking: A Culinary Journey",
52       "registration_number": "US123456"
53     }
54   ]
55 },
56 ], {ordered: false})
```


MongoDB Compass - Intellectual Properties Copyrights

Current Set View Collection only

hds

My Queries Performance Database admin intellectual_properties Copyrights Invents

intellectual_properties | Copyrights

Documents | Aggregations Schema Indexes Validation

Type a query (FIND) "value" or [Generate query](#)

Explains Runs Find Options

ADD DATA EXPORT DATA UPDATE DELETE

1 - 10 of 10

id ObjectId	title String	registration_number String	registration_date String	authors Array	description ?
1 ObjectId('60a10e4402190')	"The Art of Cooking: A C...	"123456789"	"2023-05-18"	[] elements	"A comprehensive...

MONGODB

```
{
  "copyrights": [
    {
      "name": "Sophia Lee",
      "email": "sophia.lee@example.com",
      "affiliations": ["Innovative Designs LLC"],
      "patents": [
        {
          "title": "Advanced Virtual Reality System",
          "patent_number": "US5678901"
        }
      ]
    },
    {
      "title": "Beyond the Canvas: Exploring Modern Art Movements",
      "registration_number": "0846109"
    }
  ]
},
{
  "name": "Michael Johnson",
  "email": "michael.johnson@example.com",
  "affiliations": ["Tech Innovations Inc."]
}
```

25°C Clear

Search

8:55 PM 2024-04-08

MongoDB Compass - Intellectual Properties Copyrights

Current Set View Collection only

hds

My Queries Performance Database admin intellectual_properties Copyrights Invents

intellectual_properties | Copyrights

Documents | Aggregations Schema Indexes Validation

Type a query (FIND) "value" or [Generate query](#)

Explains Runs Find Options

ADD DATA EXPORT DATA UPDATE DELETE

1 - 10 of 10

id ObjectId	title String	registration_number String	registration_date String	authors Array	description ?
1 ObjectId('60a10e4402190')	"The Art of Cooking: A C...	"123456789"	"2023-05-18"	[] elements	"A comprehensive...

MONGODB

```
{
  "title": "Smartphone Battery Optimization Algorithm",
  "patent_number": "US6789012"
},
{
  "copyrights": [
    {
      "name": "Olivia Taylor",
      "email": "olivia.taylor@example.com",
      "affiliations": ["Future Innovations Corp."],
      "patents": [
        {
          "title": "The Secrets of #opFullness: A Practical Guide",
          "registration_number": "0856700"
        }
      ]
    }
  ]
},
{
  "name": "Daniel Wilson",
  "email": "daniel.wilson@example.com",
  "affiliations": ["Tech Geniuses Ltd."]
}
```

25°C Clear

Search

8:55 PM 2024-04-08


```
hds
Intellectual_property | Copyrights

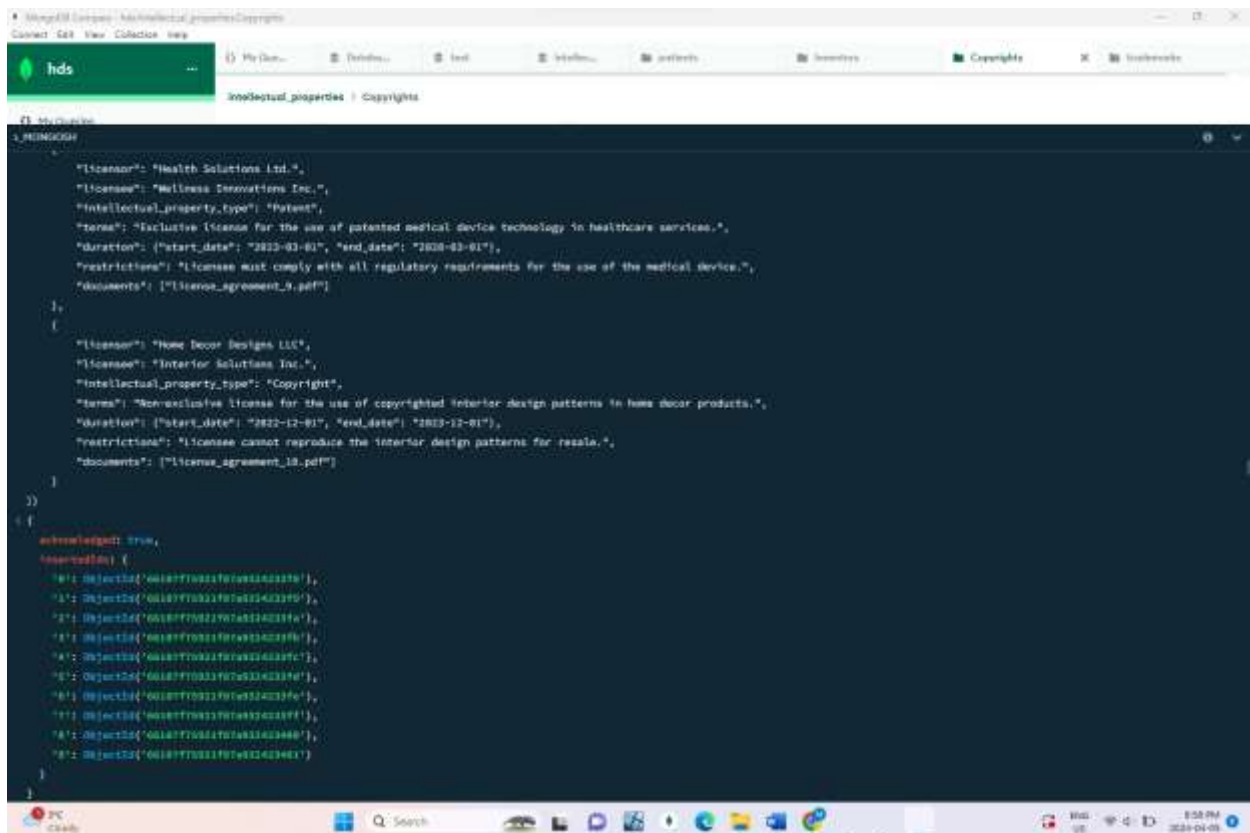
1. RUNNING
{
  "licensee": "Health Solutions Ltd.",
  "licensor": "Wellness Innovations Inc.",
  "intellectual_property_type": "Patent",
  "terms": "Exclusive license for the use of patented medical device technology in healthcare services.",
  "duration": {"start_date": "2022-01-01", "end_date": "2026-01-01"},
  "restrictions": "Licensee must comply with all regulatory requirements for the use of the medical device.",
  "documents": ["license_agreement_9.pdf"]
},
{
  "licensee": "Home Decor Designs LLC",
  "licensor": "Interior Solutions Inc.",
  "intellectual_property_type": "Copyright",
  "terms": "Non-exclusive license for the use of copyrighted interior design patterns in home decor products.",
  "duration": {"start_date": "2022-12-01", "end_date": "2023-12-01"},
  "restrictions": "Licensee cannot reproduce the interior design patterns for resale.",
  "documents": ["license_agreement_10.pdf"]
}
}

+ SyntaxError: Missing semicolon. (11:18)

1 | db.LicenseAgreements.insertMany([
  |
2 |   {
  |     "licensee": "Tech Innovations Inc.",
3 |     "licensor": "Global Solutions Ltd.",
  |   },
  |   {
  |     "licensee": "Tech Innovations Inc.",
  |     "licensor": "Global Solutions Ltd.",
  |     "intellectual_property_type": "Patent",
  |     "terms": "Non-exclusive license for the use of patented technology in software products.",
  |     "duration": {"start_date": "2023-01-01", "end_date": "2025-01-01"},
  |   }
  | ])
  |
  |
```

```
hds
Intellectual_property | Copyrights

1. RUNNING
{
  "licensee": "Tech Innovations Inc.",
  "licensor": "Global Solutions Ltd.",
  "intellectual_property_type": "Patent",
  "terms": "Non-exclusive license for the use of patented technology in software products.",
  "duration": {"start_date": "2023-01-01", "end_date": "2025-01-01"},
  "restrictions": "Licensee cannot sublicense the technology to third parties.",
  "documents": ["license_agreement_1.pdf"]
},
{
  "licensee": "Creative Designs LLC",
  "licensor": "Innovate Tech Solutions",
  "intellectual_property_type": "Trademark",
  "terms": "Exclusive license for the use of trademarked logo in marketing materials.",
  "duration": {"start_date": "2023-05-01", "end_date": "2025-05-01"},
  "restrictions": "Licensee cannot modify the logo without licensor's approval.",
  "documents": ["license_agreement_2.pdf"]
},
{
  "licensee": "BioTech Innovations Ltd.",
  "licensor": "Pharma Solutions Inc.",
  "intellectual_property_type": "Patent",
  "terms": "Exclusive license for the use of patented drug formulation in pharmaceutical products.",
  "duration": {"start_date": "2024-02-01", "end_date": "2029-02-01"},
  "restrictions": "Licensee must pay royalties based on product sales.",
  "documents": ["license_agreement_3.pdf"]
},
{
  "licensee": "Music Masters LLC",
  "licensor": "Entertainment Empire Inc.",
  "intellectual_property_type": "Copyright",
  "terms": "Non-exclusive license for the use of copyrighted music tracks in films and TV shows.",
  "duration": {"start_date": "2023-08-01", "end_date": "2026-08-01"},
  "restrictions": "Licensee cannot distribute the music tracks as standalone products."
}
```




```
hds
Intellectual_property | Copyrights

> db.license_agreements.insertMany([
  {
    "licensor": "Tech Innovations Inc.",
    "licensee": "Global Solutions Ltd.",
    "intellectual_property_type": "Patent",
    "terms": "Non-exclusive license for the use of patented technology in software products.",
    "duration": {"start_date": "2023-01-01", "end_date": "2025-01-01"},
    "restrictions": "Licensee cannot sublicense the technology to third parties.",
    "documents": ["license_agreement_1.pdf"]
  },
  {
    "licensor": "Creative Designs LLC",
    "licensee": "Innovate Tech Solutions",
    "intellectual_property_type": "Trademark",
    "terms": "Exclusive license for the use of trademarked logo in marketing materials.",
    "duration": {"start_date": "2023-03-01", "end_date": "2025-03-01"},
    "restrictions": "Licensee cannot modify the logo without licensor's approval.",
    "documents": ["license_agreement_2.pdf"]
  },
  {
    "licensor": "BioTech Innovations Ltd.",
    "licensee": "Pharma Solutions Inc.",
    "intellectual_property_type": "Patent",
    "terms": "Exclusive license for the use of patented drug formulation in pharmaceutical products.",
    "duration": {"start_date": "2024-01-01", "end_date": "2029-01-01"},
    "restrictions": "Licensee must pay royalties based on product sales.",
    "documents": ["license_agreement_3.pdf"]
  },
  {
    "licensor": "Music Masters LLC",
    "licensee": "Entertainment Empire Inc.",
    "intellectual_property_type": "Copyright",
    "terms": "Non-exclusive license for the use of copyrighted music tracks in films and TV shows."
  }
])
```

```
hds
Intellectual_property | Copyrights

> db.license_agreements.insertMany([
  {
    "licensor": "Green Energy Solutions",
    "licensee": "EcoTech Enterprises",
    "intellectual_property_type": "Patent",
    "terms": "Non-exclusive license for the use of patented renewable energy technology in manufacturing processes.",
    "duration": {"start_date": "2022-10-01", "end_date": "2024-10-01"},
    "restrictions": "Licensee must provide attribution to licensor in all promotional materials.",
    "documents": ["license_agreement_4.pdf"]
  },
  {
    "licensor": "Fashion Trends Inc.",
    "licensee": "Style Innovations Ltd.",
    "intellectual_property_type": "Trademark",
    "terms": "Non-exclusive license for the use of trademarked fashion brand name on clothing products.",
    "duration": {"start_date": "2024-01-01", "end_date": "2026-01-01"},
    "restrictions": "Licensee cannot use the trademark on counterfeit products.",
    "documents": ["license_agreement_5.pdf"]
  },
  {
    "licensor": "Tech Solutions Inc.",
    "licensee": "Software Innovations Ltd.",
    "intellectual_property_type": "Patent",
    "terms": "Non-exclusive license for the use of patented software algorithm in mobile applications.",
    "duration": {"start_date": "2023-05-01", "end_date": "2025-05-01"},
    "restrictions": "Licensee cannot sublicense the algorithm without licensor's permission.",
    "documents": ["license_agreement_6.pdf"]
  },
  {
    "licensor": "Food Innovations Corporation",
    "licensee": "Culinary Creations Inc.",
    "intellectual_property_type": "Trademark",
    "terms": "Exclusive license for the use of trademarked food product name in restaurant services.",
    "duration": {"start_date": "2022-09-01", "end_date": "2026-09-01"},
    "restrictions": "Licensee cannot use the trademark in regions where licensor has exclusive rights."
  }
])
```

```
hds
Intellectual_property | Copyrights

1. MongoDB
> db.Copyrights.updateMany(
  { registration_number: { $in: ["CR123456", "CR34567"] } },
  { $set: { registration_date: ISODate("2022-01-01") } }
)
{
  acknowledged: true,
  insertedCount: null,
  matchedCount: 2,
  modifiedCount: 2,
  upsertedCount: 0
}
> db.Copyrights.updateMany(
  { registration_number: { $in: ["CR34567", "CR34567"] } },
  { $set: { registration_date: ISODate("2022-01-01") } }
)
{
  acknowledged: true,
  insertedCount: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
> db.Copyrights.find({ registration_number: "CR789012" })
{
  "_id": ObjectId("6010e0401f61a933432ae"),
  "title": "Green Living: Sustainable Practices for a Better Planet",
  "registration_number": "CR789012",
  "registration_date": "2024-01-01",
  "author": {
    "name": "Jane Smith"
  },
  "description": "A guidebook offering practical tips and strategies for adopting sustainable living practices.",
  "documents": [
    "copyright_cr789012.pdf"
  ]
}
```

```
hds
Intellectual_property | Copyrights

1. MongoDB
{
  "title": "Green Living: Sustainable Practices for a Better Planet",
  "registration_number": "CR789012",
  "registration_date": "2024-01-01",
  "author": {
    "name": "Jane Smith"
  },
  "description": "A guidebook offering practical tips and strategies for adopting sustainable living practices.",
  "documents": [
    "copyright_cr789012.pdf"
  ]
}
> db.Copyrights.deleteOne({ registration_number: "CR789012" })
{
  acknowledged: true,
  deletedCount: 1
}
> db.trademarks.insertMany([
  {
    "trademark_name": "TechMaster",
    "registration_number": "TM123456",
    "registration_date": "2020-07-15",
    "owner": "Global Innovations Inc.",
    "goods_or_services": "Software development services",
    "notes": "Registered trademark for our flagship software product."
  },
  {
    "trademark_name": "EcoGuard",
    "registration_number": "TM654321",
    "registration_date": "2022-11-20",
    "owner": "Green Solutions Ltd.",
    "goods_or_services": "Eco-friendly cleaning products",
    "notes": "Trademark registered for our line of environmentally friendly cleaning solutions."
  }
])
```