

## AZURE COSMOS DB

- 1) Read all documents from books collection where tags array contains 'programming' elements.

```
SELECT * from c where ARRAY_CONTAINS(c.tags,"programming")
```

Output:

```
[
  {
    "title": "Java in simple way",
    "isbn": 1122,
    "downloadable": true,
    "no_of_reviews": 2,
    "tags": [
      "language",
      "freeware",
      "programming"
    ],
    "languages": [
      "english",
      "hindi",
      "telugu"
    ],
    "author": {
      "name": "Karhik Ramachandran",
      "callname": "Karthik",
      "profile": {
        "exp": 1,
        "courses": 2,
        "books": 3
      }
    },
    "id": "a3ffe516-a4ce-433c-bcca-d8df3dad25c9",
    "_rid": "WG5JALENFHQCAAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQCAAAAAAAAAA==/",
    "_etag": "\"300246b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
  },
  {
    "title": "Python in simple way",
    "isbn": 1234,
    "downloadable": false,
    "no_of_reviews": 5,
    "tags": [
      "language",
      "freeware",
      "programming"
    ],
  },
]
```

```

    "languages": [
      "english",
      "hindi",
      "telugu"
    ],
    "author": {
      "name": "Daniel IA Cohen",
      "callname": "Dan",
      "profile": {
        "exp": 8,
        "courses": 7,
        "books": 6
      }
    },
    "id": "0f78cd67-9faa-4452-b319-806c72ab1b78",
    "_rid": "WG5JALENFHQDAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQDAAAAAAAAA==/",
    "_etag": "\"300247b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
  },
  {
    "title": "Shell Scripting in simple way",
    "isbn": 9988,
    "downloadable": true,
    "no_of_reviews": 1,
    "tags": [
      "programming"
    ],
    "languages": [
      "english",
      "hindi",
      "tamil"
    ],
    "author": {
      "name": "Rama Ramachandran",
      "callname": "Rama",
      "profile": {
        "exp": 8,
        "courses": 3,
        "books": 2
      }
    },
    "id": "0222e64d-c1a7-42fe-8c7b-f93a798e47b3",
    "_rid": "WG5JALENFHQHAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQHAAAAAAAAA==/",
    "_etag": "\"30024bb4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
  }
]

```

- 2) List all documents from books collections where authors profile contains exactly 2 courses

```
SELECT * from c where c.author.profile.courses=2
```

Output:

```
[
  {
    "title": "Java in simple way",
    "isbn": 1122,
    "downloadable": true,
    "no_of_reviews": 2,
    "tags": [
      "language",
      "freeware",
      "programming"
    ],
    "languages": [
      "english",
      "hindi",
      "telugu"
    ],
    "author": {
      "name": "Karthik Ramachandran",
      "callname": "Karthik",
      "profile": {
        "exp": 1,
        "courses": 2,
        "books": 3
      }
    },
    "id": "a3ffe516-a4ce-433c-bcca-d8df3dad25c9",
    "_rid": "WG5JALENFHQCAAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQCAAAAAAAAAA==/",
    "_etag": "\"300246b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
  },
  {
    "title": "Oracle in simple way",
    "isbn": 6677,
    "downloadable": true,
    "no_of_reviews": 3,
    "tags": [
      "database",
      "sql",
      "relational"
    ],
    "languages": [
      "english",
      "hindi",
      "telugu"
    ],
    "author": {
      "name": "Virat Kohli",
      "callname": "kohli",
      "profile": {
        "exp": 2,

```

```

        "courses": 2,
        "books": 2
    }
},
"id": "dd27ca93-8084-4949-86d3-7f6006d89a68",
"_rid": "WG5JALENFHQGAAAAAAAAAA==",
"_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQGAAAAAAAAAA==/",
"_etag": "\"30024ab4-0000-0100-0000-641945190000\"",
"_attachments": "attachments/",
"_ts": 1679377689
}
]

```

- 3) Select all documents where tags is exactly equal to  
["language", "freeware", "programming"]

```
SELECT * FROM c where c.tags=["language","freeware","programming"]
```

Output:

```

[
  {
    "title": "Java in simple way",
    "isbn": 1122,
    "downloadable": true,
    "no_of_reviews": 2,
    "tags": [
      "language",
      "freeware",
      "programming"
    ],
    "languages": [
      "english",
      "hindi",
      "telugu"
    ],
    "author": {
      "name": "Karhik Ramachandran",
      "callname": "Karthik",
      "profile": {
        "exp": 1,
        "courses": 2,
        "books": 3
      }
    },
    "id": "a3ffe516-a4ce-433c-bcca-d8df3dad25c9",
    "_rid": "WG5JALENFHQCAAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQCAAAAAAAAAA==/",
    "_etag": "\"300246b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
  },
  {
    "title": "Python in simple way",
    "isbn": 1234,

```

```

        "downloadable": false,
        "no_of_reviews": 5,
        "tags": [
            "language",
            "freeware",
            "programming"
        ],
        "languages": [
            "english",
            "hindi",
            "telugu"
        ],
        "author": {
            "name": "Daniel IA Cohen",
            "callname": "Dan",
            "profile": {
                "exp": 8,
                "courses": 7,
                "books": 6
            }
        },
        "id": "0f78cd67-9faa-4452-b319-806c72ab1b78",
        "_rid": "WG5JALENFHQDAAAAAAAAAA==",
        "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQDAAAAAAAAAA==/",
        "_etag": "\"300247b4-0000-0100-0000-641945190000\"",
        "_attachments": "attachments/",
        "_ts": 1679377689
    }
}
]

```

- 4) Read all documents from books collection where tags array contains 'database' elements.

```
SELECT * FROM c where ARRAY_CONTAINS(c.tags,"programming")
```

Output:

```

[
{
    "title": "Java in simple way",
    "isbn": 1122,
    "downloadable": true,
    "no_of_reviews": 2,
    "tags": [
        "language",
        "freeware",
        "programming"
    ],
    "languages": [
        "english",
        "hindi",
        "telugu"
    ],
    "author": {

```

```

        "name": "Karhik Ramachandran",
        "callname": "Karthik",
        "profile": {
            "exp": 1,
            "courses": 2,
            "books": 3
        }
    },
    "id": "a3ffe516-a4ce-433c-bcca-d8df3dad25c9",
    "_rid": "WG5JALENFHQCAAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQCAAAAAAAAAA==/",
    "_etag": "\"300246b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
},
{
    "title": "Python in simple way",
    "isbn": 1234,
    "downloadable": false,
    "no_of_reviews": 5,
    "tags": [
        "language",
        "freeware",
        "programming"
    ],
    "languages": [
        "english",
        "hindi",
        "telugu"
    ],
    "author": {
        "name": "Daniel IA Cohen",
        "callname": "Dan",
        "profile": {
            "exp": 8,
            "courses": 7,
            "books": 6
        }
    },
    "id": "0f78cd67-9faa-4452-b319-806c72ab1b78",
    "_rid": "WG5JALENFHQDAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQDAAAAAAAAA==/",
    "_etag": "\"300247b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
},
{
    "title": "Shell Scripting in simple way",
    "isbn": 9988,
    "downloadable": true,
    "no_of_reviews": 1,
    "tags": [
        "programming"
    ],
    "languages": [
        "english",
        "hindi",
        "tamil"
    ]
}

```

```

    ],
    "author": {
      "name": "Rama Ramachandran",
      "callname": "Rama",
      "profile": {
        "exp": 8,
        "courses": 3,
        "books": 2
      }
    },
    "id": "0222e64d-c1a7-42fe-8c7b-f93a798e47b3",
    "_rid": "WG5JALENFHQHAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQHAAAAAAAAA==/",
    "_etag": "\"30024bb4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
  }
]

```

5) List out all the documents where languages array contains telugu element?

```
SELECT * FROM c where ARRAY_CONTAINS(c.languages,"telugu")
```

Output:

```

[
  {
    "title": "Linux in simple way",
    "isbn": 6677,
    "downloadable": false,
    "no_of_reviews": 1,
    "tags": [
      "os",
      "freeware",
      "shell programming"
    ],
    "languages": [
      "english",
      "hindi",
      "telugu"
    ],
    "author": {
      "name": "Shiva Ramachandran",
      "callname": "Shiv",
      "profile": {
        "exp": 8,
        "courses": 3,
        "books": 2
      }
    },
    "id": "91866a09-7bc6-45e1-93e4-4962ba001970",
    "_rid": "WG5JALENFHQBAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQBAAAAAAAAA==/",
    "_etag": "\"300245b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
  }
]

```

```

    "_ts": 1679377689
  },
  {
    "title": "Java in simple way",
    "isbn": 1122,
    "downloadable": true,
    "no_of_reviews": 2,
    "tags": [
      "language",
      "freeware",
      "programming"
    ],
    "languages": [
      "english",
      "hindi",
      "telugu"
    ],
    "author": {
      "name": "Karhik Ramachandran",
      "callname": "Karthik",
      "profile": {
        "exp": 1,
        "courses": 2,
        "books": 3
      }
    },
    "id": "a3ffe516-a4ce-433c-bcca-d8df3dad25c9",
    "_rid": "WG5JALENFHQCAAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQCAAAAAAAAAA==/",
    "_etag": "\"300246b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
  },
  {
    "title": "Python in simple way",
    "isbn": 1234,
    "downloadable": false,
    "no_of_reviews": 5,
    "tags": [
      "language",
      "freeware",
      "programming"
    ],
    "languages": [
      "english",
      "hindi",
      "telugu"
    ],
    "author": {
      "name": "Daniel IA Cohen",
      "callname": "Dan",
      "profile": {
        "exp": 8,
        "courses": 7,
        "books": 6
      }
    },
    "id": "0f78cd67-9faa-4452-b319-806c72ab1b78",

```



```

    "_rid": "WG5JALENFHQDAAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQDAAAAAAAAAA==/",
    "_etag": "\"300247b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
  },
  {
    "title": "Devops in simple way",
    "isbn": 6677,
    "downloadable": false,
    "no_of_reviews": 3,
    "tags": [
      "jenkins",
      "git",
      "cicd"
    ],
    "languages": [
      "english",
      "hindi",
      "telugu"
    ],
    "author": {
      "name": "Dhoni Chandra",
      "callname": "Dhoni",
      "profile": {
        "exp": 4,
        "courses": 4,
        "books": 4
      }
    },
    "id": "fb439a79-9ef0-456b-8d9f-b41ef852d90b",
    "_rid": "WG5JALENFHQEAAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQEAAAAAAAAAA==/",
    "_etag": "\"300248b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
  },
  {
    "title": "MongoDB in simple way",
    "isbn": 6677,
    "downloadable": true,
    "no_of_reviews": 4,
    "tags": [
      "database",
      "cloud",
      "nosql"
    ],
    "languages": [
      "english",
      "hindi",
      "telugu"
    ],
    "author": {
      "name": "Sachin Tendulkar",
      "callname": "Sachin",
      "profile": {
        "exp": 6,
        "courses": 7,

```

```

        "books": 8
    },
    {
        "id": "2d36378f-5852-44b6-9f51-9ed984787cb8",
        "_rid": "WG5JALENFHQFAAAAAAAAAA==",
        "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQFAAAAAAAAAA==/",
        "_etag": "\"300249b4-0000-0100-0000-641945190000\"",
        "_attachments": "attachments/",
        "_ts": 1679377689
    },
    {
        "title": "Oracle in simple way",
        "isbn": 6677,
        "downloadable": true,
        "no_of_reviews": 3,
        "tags": [
            "database",
            "sql",
            "relational"
        ],
        "languages": [
            "english",
            "hindi",
            "telugu"
        ],
        "author": {
            "name": "Virat Kohli",
            "callname": "kohli",
            "profile": {
                "exp": 2,
                "courses": 2,
                "books": 2
            }
        },
        "id": "dd27ca93-8084-4949-86d3-7f6006d89a68",
        "_rid": "WG5JALENFHQGAAAAAAAAA==",
        "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQGAAAAAAAAA==/",
        "_etag": "\"30024ab4-0000-0100-0000-641945190000\"",
        "_attachments": "attachments/",
        "_ts": 1679377689
    }
]

```

6) List out documents present in books collection?

```
SELECT * from c
```

Output:

Whole data

7) List out the count of documents present in books collection?

```
SELECT value count(1) from c
```

Output: [7]

8) List out first document present in books collection?

```
SELECT TOP 1 * from c
```

Output:

```
[
  {
    "title": "Linux in simple way",
    "isbn": 6677,
    "downloadable": false,
    "no_of_reviews": 1,
    "tags": [
      "os",
      "freeware",
      "shell programming"
    ],
    "languages": [
      "english",
      "hindi",
      "telugu"
    ],
    "author": {
      "name": "Shiva Ramachandran",
      "callname": "Shiv",
      "profile": {
        "exp": 8,
        "courses": 3,
        "books": 2
      }
    },
    "id": "91866a09-7bc6-45e1-93e4-4962ba001970",
    "_rid": "WG5JALENFHQBAAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQBAAAAAAAAAA==/",
    "_etag": "\"300245b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
  }
]
```

9) Select all documents where either no of reviews > 3 or tags array contains programming element?

```
SELECT * from c where ARRAY_CONTAINS(c.tags,"programming") or c.no_of_reviews>3
```

Output:

```
[
  {
    "title": "Java in simple way",
    "isbn": 1122,
    "downloadable": true,
```

```

    "no_of_reviews": 2,
    "tags": [
        "language",
        "freeware",
        "programming"
    ],
    "languages": [
        "english",
        "hindi",
        "telugu"
    ],
    "author": {
        "name": "Karhik Ramachandran",
        "callname": "Karthik",
        "profile": {
            "exp": 1,
            "courses": 2,
            "books": 3
        }
    },
    "id": "a3ffe516-a4ce-433c-bcca-d8df3dad25c9",
    "_rid": "WG5JALENFHQCAAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQCAAAAAAAAAA==/",
    "_etag": "\"300246b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
},
{
    "title": "Python in simple way",
    "isbn": 1234,
    "downloadable": false,
    "no_of_reviews": 5,
    "tags": [
        "language",
        "freeware",
        "programming"
    ],
    "languages": [
        "english",
        "hindi",
        "telugu"
    ],
    "author": {
        "name": "Daniel IA Cohen",
        "callname": "Dan",
        "profile": {
            "exp": 8,
            "courses": 7,
            "books": 6
        }
    },
    "id": "0f78cd67-9faa-4452-b319-806c72ab1b78",
    "_rid": "WG5JALENFHQDAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQDAAAAAAAAA==/",
    "_etag": "\"300247b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
},

```

```

{
  "title": "MongoDB in simple way",
  "isbn": 6677,
  "downloadable": true,
  "no_of_reviews": 4,
  "tags": [
    "database",
    "cloud",
    "nosql"
  ],
  "languages": [
    "english",
    "hindi",
    "telugu"
  ],
  "author": {
    "name": "Sachin Tendulkar",
    "callname": "Sachin",
    "profile": {
      "exp": 6,
      "courses": 7,
      "books": 8
    }
  },
  "id": "2d36378f-5852-44b6-9f51-9ed984787cb8",
  "_rid": "WG5JALENFHQFAAAAAAAAAA==",
  "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQFAAAAAAAAAA==/",
  "_etag": "\"300249b4-0000-0100-0000-641945190000\"",
  "_attachments": "attachments/",
  "_ts": 1679377689
},
{
  "title": "Shell Scripting in simple way",
  "isbn": 9988,
  "downloadable": true,
  "no_of_reviews": 1,
  "tags": [
    "programming"
  ],
  "languages": [
    "english",
    "hindi",
    "tamil"
  ],
  "author": {
    "name": "Rama Ramachandran",
    "callname": "Rama",
    "profile": {
      "exp": 8,
      "courses": 3,
      "books": 2
    }
  },
  "id": "0222e64d-c1a7-42fe-8c7b-f93a798e47b3",
  "_rid": "WG5JALENFHQHAAAAAAAAA==",
  "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQHAAAAAAAAA==/",
  "_etag": "\"30024bb4-0000-0100-0000-641945190000\"",
  "_attachments": "attachments/",

```

```

    "_ts": 1679377689
  }
]

```

10) Select all documents where either no\_of\_reviews is less than 3 or downloadable is true or author profile contains atleast 2 books?

```

SELECT * from c where c.no_of_reviews<3 or c.downloadable=true or c.author.profile.b
ooks>=2

```

Output:

```

[
  {
    "title": "Linux in simple way",
    "isbn": 6677,
    "downloadable": false,
    "no_of_reviews": 1,
    "tags": [
      "os",
      "freeware",
      "shell programming"
    ],
    "languages": [
      "english",
      "hindi",
      "telugu"
    ],
    "author": {
      "name": "Shiva Ramachandran",
      "callname": "Shiv",
      "profile": {
        "exp": 8,
        "courses": 3,
        "books": 2
      }
    },
    "id": "91866a09-7bc6-45e1-93e4-4962ba001970",
    "_rid": "WG5JALENFHQBAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQBAAAAAAAAA==/",
    "_etag": "\"300245b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
  },
  {
    "title": "Java in simple way",
    "isbn": 1122,
    "downloadable": true,
    "no_of_reviews": 2,
    "tags": [
      "language",
      "freeware",
      "programming"
    ]
  }
]

```

```

    ],
    "languages": [
        "english",
        "hindi",
        "telugu"
    ],
    "author": {
        "name": "Karhik Ramachandran",
        "callname": "Karthik",
        "profile": {
            "exp": 1,
            "courses": 2,
            "books": 3
        }
    },
    "id": "a3ffe516-a4ce-433c-bcca-d8df3dad25c9",
    "_rid": "WG5JALENFHQCAAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQCAAAAAAAAAA==/",
    "_etag": "\"300246b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
},
{
    "title": "Python in simple way",
    "isbn": 1234,
    "downloadable": false,
    "no_of_reviews": 5,
    "tags": [
        "language",
        "freeware",
        "programming"
    ],
    "languages": [
        "english",
        "hindi",
        "telugu"
    ],
    "author": {
        "name": "Daniel IA Cohen",
        "callname": "Dan",
        "profile": {
            "exp": 8,
            "courses": 7,
            "books": 6
        }
    },
    "id": "0f78cd67-9faa-4452-b319-806c72ab1b78",
    "_rid": "WG5JALENFHQDAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQDAAAAAAAAA==/",
    "_etag": "\"300247b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
},
{
    "title": "Devops in simple way",
    "isbn": 6677,
    "downloadable": false,
    "no_of_reviews": 3,

```

```

    "tags": [
      "jenkins",
      "git",
      "cicd"
    ],
    "languages": [
      "english",
      "hindi",
      "telugu"
    ],
    "author": {
      "name": "Dhoni Chandra",
      "callname": "Dhoni",
      "profile": {
        "exp": 4,
        "courses": 4,
        "books": 4
      }
    },
    "id": "fb439a79-9ef0-456b-8d9f-b41ef852d90b",
    "_rid": "WG5JALENFHQEAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQEAAAAAAAAA==/",
    "_etag": "\"300248b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
  },
  {
    "title": "MongoDB in simple way",
    "isbn": 6677,
    "downloadable": true,
    "no_of_reviews": 4,
    "tags": [
      "database",
      "cloud",
      "nosql"
    ],
    "languages": [
      "english",
      "hindi",
      "telugu"
    ],
    "author": {
      "name": "Sachin Tendulkar",
      "callname": "Sachin",
      "profile": {
        "exp": 6,
        "courses": 7,
        "books": 8
      }
    },
    "id": "2d36378f-5852-44b6-9f51-9ed984787cb8",
    "_rid": "WG5JALENFHQFAAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQFAAAAAAAAAA==/",
    "_etag": "\"300249b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
  },
  {

```



```

"title": "Oracle in simple way",
"isbn": 6677,
"downloadable": true,
"no_of_reviews": 3,
"tags": [
    "database",
    "sql",
    "relational"
],
"languages": [
    "english",
    "hindi",
    "telugu"
],
"author": {
    "name": "Virat Kohli",
    "callname": "kohli",
    "profile": {
        "exp": 2,
        "courses": 2,
        "books": 2
    }
},
"id": "dd27ca93-8084-4949-86d3-7f6006d89a68",
"_rid": "WG5JALENFHQGAAAAAAAAA==",
"_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQGAAAAAAAAA==/",
"_etag": "\"30024ab4-0000-0100-0000-641945190000\"",
"_attachments": "attachments/",
"_ts": 1679377689
},
{
    "title": "Shell Scripting in simple way",
    "isbn": 9988,
    "downloadable": true,
    "no_of_reviews": 1,
    "tags": [
        "programming"
    ],
    "languages": [
        "english",
        "hindi",
        "tamil"
    ],
    "author": {
        "name": "Rama Ramachandran",
        "callname": "Rama",
        "profile": {
            "exp": 8,
            "courses": 3,
            "books": 2
        }
    },
    "id": "0222e64d-c1a7-42fe-8c7b-f93a798e47b3",
    "_rid": "WG5JALENFHQHAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQHAAAAAAAAA==/",
    "_etag": "\"30024bb4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
}

```

```
}  
]
```

11) Select all documents from books collection where the no\_of\_reviews is greater than 3

```
SELECT * from c where c.no_of_reviews>3
```

Output:

```
[  
{  
  "title": "Python in simple way",  
  "isbn": 1234,  
  "downloadable": false,  
  "no_of_reviews": 5,  
  "tags": [  
    "language",  
    "freeware",  
    "programming"  
  ],  
  "languages": [  
    "english",  
    "hindi",  
    "telugu"  
  ],  
  "author": {  
    "name": "Daniel IA Cohen",  
    "callname": "Dan",  
    "profile": {  
      "exp": 8,  
      "courses": 7,  
      "books": 6  
    }  
  },  
  "id": "0f78cd67-9faa-4452-b319-806c72ab1b78",  
  "_rid": "WG5JALENFHQDAAAAAAAAAA==",  
  "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQDAAAAAAAAAA==/",  
  "_etag": "\"300247b4-0000-0100-0000-641945190000\"",  
  "_attachments": "attachments/",  
  "_ts": 1679377689  
},  
{  
  "title": "MongoDB in simple way",  
  "isbn": 6677,  
  "downloadable": true,  
  "no_of_reviews": 4,  
  "tags": [  
    "database",  
    "cloud",  
    "nosql"  
  ],  
  "languages": [  
    "english",  
    "hindi",  
  ]  
}
```

```

        "telugu"
    ],
    "author": {
        "name": "Sachin Tendulkar",
        "callname": "Sachin",
        "profile": {
            "exp": 6,
            "courses": 7,
            "books": 8
        }
    },
    "id": "2d36378f-5852-44b6-9f51-9ed984787cb8",
    "_rid": "WG5JALENFHQFAAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQFAAAAAAAAAA==/",
    "_etag": "\"300249b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
}
]

```

12) List out all documents where tags array contains only one element programming?

```
SELECT * from c where c.tags=["programming"]
```

OUTPUT:

```

[
{
    "title": "Shell Scripting in simple way",
    "isbn": 9988,
    "downloadable": true,
    "no_of_reviews": 1,
    "tags": [
        "programming"
    ],
    "languages": [
        "english",
        "hindi",
        "tamil"
    ],
    "author": {
        "name": "Rama Ramachandran",
        "callname": "Rama",
        "profile": {
            "exp": 8,
            "courses": 3,
            "books": 2
        }
    },
    "id": "0222e64d-c1a7-42fe-8c7b-f93a798e47b3",
    "_rid": "WG5JALENFHQFAAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQFAAAAAAAAAA==/",
    "_etag": "\"30024bb4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
}
]

```

```
}  
]
```

13) To select all documents from books collection where no\_of\_reviews is not equal to 3

```
SELECT * from c where c.no_of_reviews!=3
```

Output:

```
[  
{  
  "title": "Linux in simple way",  
  "isbn": 6677,  
  "downloadable": false,  
  "no_of_reviews": 1,  
  "tags": [  
    "os",  
    "freeware",  
    "shell programming"  
  ],  
  "languages": [  
    "english",  
    "hindi",  
    "telugu"  
  ],  
  "author": {  
    "name": "Shiva Ramachandran",  
    "callname": "Shiv",  
    "profile": {  
      "exp": 8,  
      "courses": 3,  
      "books": 2  
    }  
  },  
  "id": "91866a09-7bc6-45e1-93e4-4962ba001970",  
  "_rid": "WG5JALENFHQBAAAAAAAAAA==",  
  "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQBAAAAAAAAAA==/",  
  "_etag": "\"300245b4-0000-0100-0000-641945190000\"",  
  "_attachments": "attachments/",  
  "_ts": 1679377689  
},  
{  
  "title": "Java in simple way",  
  "isbn": 1122,  
  "downloadable": true,  
  "no_of_reviews": 2,  
  "tags": [  
    "language",  
    "freeware",  
    "programming"  
  ],  
  "languages": [  
    "english",  
    "hindi",  
    "telugu"  
  ],  
  "author": {  
    "name": "Shiva Ramachandran",  
    "callname": "Shiv",  
    "profile": {  
      "exp": 8,  
      "courses": 3,  
      "books": 2  
    }  
  },  
  "id": "91866a09-7bc6-45e1-93e4-4962ba001970",  
  "_rid": "WG5JALENFHQBAAAAAAAAAA==",  
  "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQBAAAAAAAAAA==/",  
  "_etag": "\"300245b4-0000-0100-0000-641945190000\"",  
  "_attachments": "attachments/",  
  "_ts": 1679377689  
}
```

```

        "telugu"
    ],
    "author": {
        "name": "Karhik Ramachandran",
        "callname": "Karthik",
        "profile": {
            "exp": 1,
            "courses": 2,
            "books": 3
        }
    },
    "id": "a3ffe516-a4ce-433c-bcca-d8df3dad25c9",
    "_rid": "WG5JALENFHQCAAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQCAAAAAAAAAA==/",
    "_etag": "\"300246b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
},
{
    "title": "Python in simple way",
    "isbn": 1234,
    "downloadable": false,
    "no_of_reviews": 5,
    "tags": [
        "language",
        "freeware",
        "programming"
    ],
    "languages": [
        "english",
        "hindi",
        "telugu"
    ],
    "author": {
        "name": "Daniel IA Cohen",
        "callname": "Dan",
        "profile": {
            "exp": 8,
            "courses": 7,
            "books": 6
        }
    },
    "id": "0f78cd67-9faa-4452-b319-806c72ab1b78",
    "_rid": "WG5JALENFHQDAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQDAAAAAAAAA==/",
    "_etag": "\"300247b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
},
{
    "title": "MongoDB in simple way",
    "isbn": 6677,
    "downloadable": true,
    "no_of_reviews": 4,
    "tags": [
        "database",
        "cloud",
        "nosql"
    ]
}

```

```

    ],
    "languages": [
      "english",
      "hindi",
      "telugu"
    ],
    "author": {
      "name": "Sachin Tendulkar",
      "callname": "Sachin",
      "profile": {
        "exp": 6,
        "courses": 7,
        "books": 8
      }
    },
    "id": "2d36378f-5852-44b6-9f51-9ed984787cb8",
    "_rid": "WG5JALENFHQFAAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQFAAAAAAAAAA==/",
    "_etag": "\"300249b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
  },
  {
    "title": "Shell Scripting in simple way",
    "isbn": 9988,
    "downloadable": true,
    "no_of_reviews": 1,
    "tags": [
      "programming"
    ],
    "languages": [
      "english",
      "hindi",
      "tamil"
    ],
    "author": {
      "name": "Rama Ramachandran",
      "callname": "Rama",
      "profile": {
        "exp": 8,
        "courses": 3,
        "books": 2
      }
    },
    "id": "0222e64d-c1a7-42fe-8c7b-f93a798e47b3",
    "_rid": "WG5JALENFHQHAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQHAAAAAAAAA==/",
    "_etag": "\"30024bb4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
  }
]

```

14) Select all documents from books collection where the no\_of\_reviews is less than 3

```
SELECT * from c where c.no_of_reviews<3
```

Output:

```
[
  {
    "title": "Linux in simple way",
    "isbn": 6677,
    "downloadable": false,
    "no_of_reviews": 1,
    "tags": [
      "os",
      "freeware",
      "shell programming"
    ],
    "languages": [
      "english",
      "hindi",
      "telugu"
    ],
    "author": {
      "name": "Shiva Ramachandran",
      "callname": "Shiv",
      "profile": {
        "exp": 8,
        "courses": 3,
        "books": 2
      }
    },
    "id": "91866a09-7bc6-45e1-93e4-4962ba001970",
    "_rid": "WG5JALENFHQBAAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQBAAAAAAAAAA==/",
    "_etag": "\"300245b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
  },
  {
    "title": "Java in simple way",
    "isbn": 1122,
    "downloadable": true,
    "no_of_reviews": 2,
    "tags": [
      "language",
      "freeware",
      "programming"
    ],
    "languages": [
      "english",
      "hindi",
      "telugu"
    ],
    "author": {
      "name": "Karthik Ramachandran",
      "callname": "Karthik",
      "profile": {
        "exp": 1,
        "courses": 2,
        "books": 3
      }
    }
  }
]
```

```

    },
    "id": "a3ffe516-a4ce-433c-bcca-d8df3dad25c9",
    "_rid": "WG5JALENFHQCAAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQCAAAAAAAAAA==/",
    "_etag": "\"300246b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
  },
  {
    "title": "Shell Scripting in simple way",
    "isbn": 9988,
    "downloadable": true,
    "no_of_reviews": 1,
    "tags": [
      "programming"
    ],
    "languages": [
      "english",
      "hindi",
      "tamil"
    ],
    "author": {
      "name": "Rama Ramachandran",
      "callname": "Rama",
      "profile": {
        "exp": 8,
        "courses": 3,
        "books": 2
      }
    },
    "id": "0222e64d-c1a7-42fe-8c7b-f93a798e47b3",
    "_rid": "WG5JALENFHQHAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQHAAAAAAAAA==/",
    "_etag": "\"300246b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
  }
]

```

15) Select all documents where the no\_of\_reviews is greater than or equals to 3 and downloadable is true?

```
SELECT * from c where c.no_of_reviews>=3 and c.downloadable=true
```

Output:

```

[
  {
    "title": "MongoDB in simple way",
    "isbn": 6677,
    "downloadable": true,
    "no_of_reviews": 4,
    "tags": [
      "database",
      "cloud",
      "nosql"
    ]
  }
]

```



```

    ],
    "languages": [
        "english",
        "hindi",
        "telugu"
    ],
    "author": {
        "name": "Sachin Tendulkar",
        "callname": "Sachin",
        "profile": {
            "exp": 6,
            "courses": 7,
            "books": 8
        }
    },
    "id": "2d36378f-5852-44b6-9f51-9ed984787cb8",
    "_rid": "WG5JALENFHQFAAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQFAAAAAAAAAA==/",
    "_etag": "\"300249b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
},
{
    "title": "Oracle in simple way",
    "isbn": 6677,
    "downloadable": true,
    "no_of_reviews": 3,
    "tags": [
        "database",
        "sql",
        "relational"
    ],
    "languages": [
        "english",
        "hindi",
        "telugu"
    ],
    "author": {
        "name": "Virat Kohli",
        "callname": "kohli",
        "profile": {
            "exp": 2,
            "courses": 2,
            "books": 2
        }
    },
    "id": "dd27ca93-8084-4949-86d3-7f6006d89a68",
    "_rid": "WG5JALENFHQGAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQGAAAAAAAAA==/",
    "_etag": "\"30024ab4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
}
]

```

16) Select all documents from the books collection where the tags array contains either database or programming

```
SELECT * from c where ARRAY_CONTAINS(c.tags,"programming") or ARRAY_CONTAINS(c.tags,"database")
```

Output:

```
[
  {
    "title": "Java in simple way",
    "isbn": 1122,
    "downloadable": true,
    "no_of_reviews": 2,
    "tags": [
      "language",
      "freeware",
      "programming"
    ],
    "languages": [
      "english",
      "hindi",
      "telugu"
    ],
    "author": {
      "name": "Karhik Ramachandran",
      "callname": "Karthik",
      "profile": {
        "exp": 1,
        "courses": 2,
        "books": 3
      }
    },
    "id": "a3ffe516-a4ce-433c-bcca-d8df3dad25c9",
    "_rid": "WG5JALENFHQCAAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQCAAAAAAAAAA==/",
    "_etag": "\"300246b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
  },
  {
    "title": "Python in simple way",
    "isbn": 1234,
    "downloadable": false,
    "no_of_reviews": 5,
    "tags": [
      "language",
      "freeware",
      "programming"
    ],
    "languages": [
      "english",
      "hindi",
      "telugu"
    ],
    "author": {
```

```

        "name": "Daniel IA Cohen",
        "callname": "Dan",
        "profile": {
            "exp": 8,
            "courses": 7,
            "books": 6
        }
    },
    "id": "0f78cd67-9faa-4452-b319-806c72ab1b78",
    "_rid": "WG5JALENFHQDAAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQDAAAAAAAAAA==/",
    "_etag": "\"300247b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
},
{
    "title": "MongoDB in simple way",
    "isbn": 6677,
    "downloadable": true,
    "no_of_reviews": 4,
    "tags": [
        "database",
        "cloud",
        "nosql"
    ],
    "languages": [
        "english",
        "hindi",
        "telugu"
    ],
    "author": {
        "name": "Sachin Tendulkar",
        "callname": "Sachin",
        "profile": {
            "exp": 6,
            "courses": 7,
            "books": 8
        }
    },
    "id": "2d36378f-5852-44b6-9f51-9ed984787cb8",
    "_rid": "WG5JALENFHQFAAAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQFAAAAAAAAAAA==/",
    "_etag": "\"300249b4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
    "_ts": 1679377689
},
{
    "title": "Oracle in simple way",
    "isbn": 6677,
    "downloadable": true,
    "no_of_reviews": 3,
    "tags": [
        "database",
        "sql",
        "relational"
    ],
    "languages": [
        "english",

```

```

        "hindi",
        "telugu"
    ],
    "author": {
        "name": "Virat Kohli",
        "callname": "kohli",
        "profile": {
            "exp": 2,
            "courses": 2,
            "books": 2
        }
    },
    "id": "dd27ca93-8084-4949-86d3-7f6006d89a68",
    "_rid": "WG5JALENFHQGAAAAAAAAAA==",
    "_self": "dbs/WG5JAA==/colls/WG5JALENFHQ=/docs/WG5JALENFHQGAAAAAAAAAA==/",
    "_etag": "\"30024ab4-0000-0100-0000-641945190000\"",
    "_attachments": "attachments/",
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