

1. SORT ONLY page 1
2. PAGINATION ONLY page 2
3. SORT AND PAGINATION page 3

#### SORT ONLY:

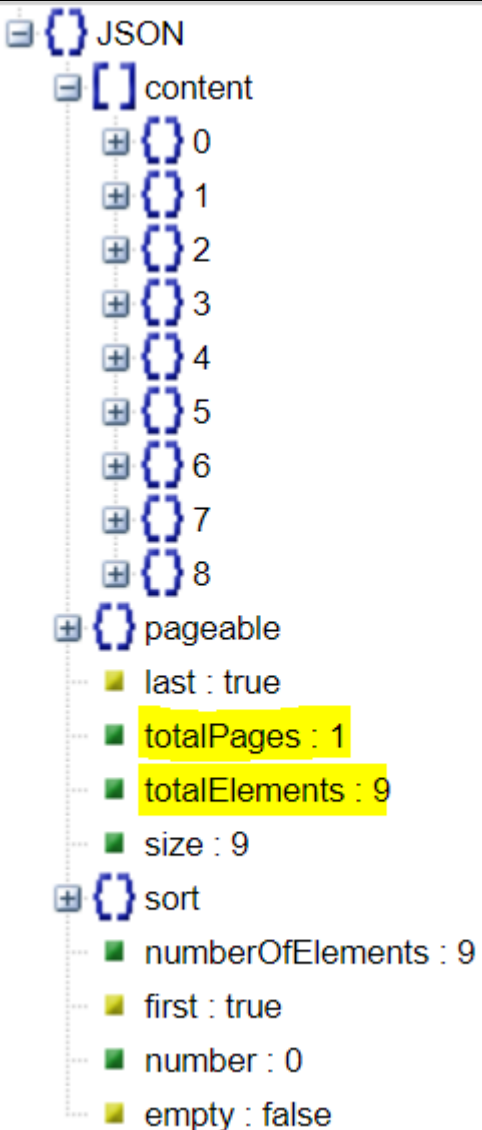
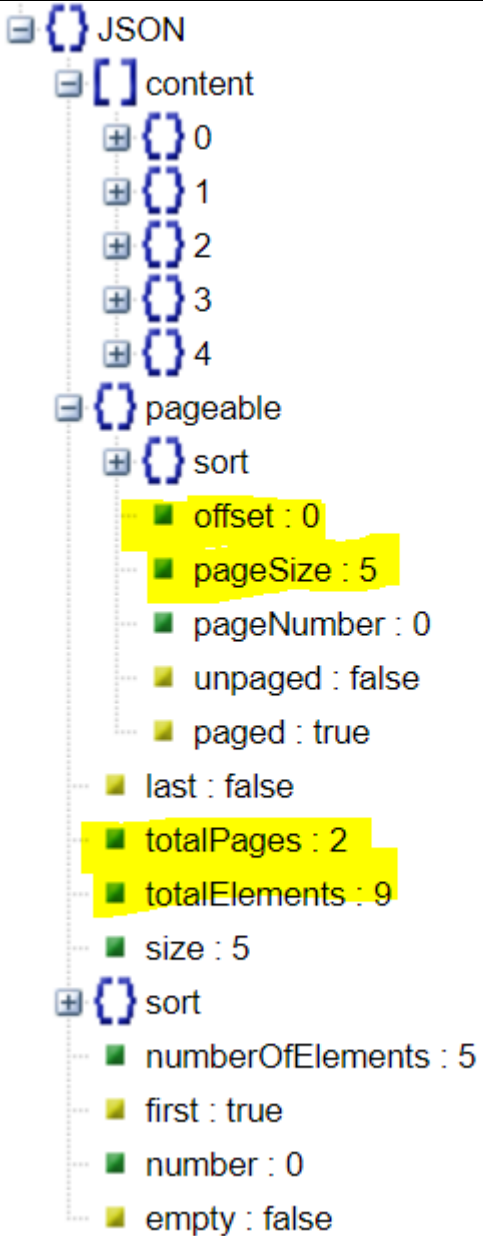
SELECT \* FROM BOOK;

ID	CREATED_DATE	LAST_MODIFIED_DATE	TITLE ▼	AUTHOR_ID
2	2022-05-24 17:22:27.606	2022-05-24 17:22:27.606	All Passion Spent	1
12	2022-05-24 17:22:27.642	2022-05-24 17:22:27.642	Blue Remembered Earth	9
11	2022-05-24 17:22:27.639	2022-05-24 17:22:27.639	Mother Night	9
3	2022-05-24 17:22:27.611	2022-05-24 17:22:27.611	No Highway	1
7	2022-05-24 17:22:27.625	2022-05-24 17:22:27.625	Terrible Swift Sword	5
6	2022-05-24 17:22:27.621	2022-05-24 17:22:27.621	The Green Bay Tree	5
10	2022-05-24 17:22:27.636	2022-05-24 17:22:27.636	The Soldier's Art	9
4	2022-05-24 17:22:27.614	2022-05-24 17:22:27.614	The Way Through the Woods	1
8	2022-05-24 17:22:27.628	2022-05-24 17:22:27.628	Wildfire at Midnight	5

http://localhost:8080/api/books/sort?field=title

```
[{"createdDate": "2022-05-24T09:22:27.606+00:00", "lastModifiedDate": "2022-05-24T09:22:27.606+00:00", "id": 2, "title": "All Passion Spent", "author": 1}, {"createdDate": "2022-05-24T09:22:27.642+00:00", "lastModifiedDate": "2022-05-24T09:22:27.642+00:00", "id": 12, "title": "Blue Remembered Earth", "author": 9}, {"createdDate": "2022-05-24T09:22:27.639+00:00", "lastModifiedDate": "2022-05-24T09:22:27.639+00:00", "id": 11, "title": "Mother Night", "author": 9}, {"createdDate": "2022-05-24T09:22:27.611+00:00", "lastModifiedDate": "2022-05-24T09:22:27.611+00:00", "id": 3, "title": "No Highway", "author": 1}, {"createdDate": "2022-05-24T09:22:27.625+00:00", "lastModifiedDate": "2022-05-24T09:22:27.625+00:00", "id": 7, "title": "Terrible Swift Sword", "author": 5}, {"createdDate": "2022-05-24T09:22:27.621+00:00", "lastModifiedDate": "2022-05-24T09:22:27.621+00:00", "id": 6, "title": "The Green Bay Tree", "author": 5}, {"createdDate": "2022-05-24T09:22:27.636+00:00", "lastModifiedDate": "2022-05-24T09:22:27.636+00:00", "id": 10, "title": "The Soldier's Art", "author": 9}, {"createdDate": "2022-05-24T09:22:27.614+00:00", "lastModifiedDate": "2022-05-24T09:22:27.614+00:00", "id": 4, "title": "The Way Through the Woods", "author": 1}, {"createdDate": "2022-05-24T09:22:27.628+00:00", "lastModifiedDate": "2022-05-24T09:22:27.628+00:00", "id": 8, "title": "Wildfire at Midnight", "author": 5}]
```

## PAGINATION ONLY:

<a href="http://localhost:8080/api/books/pagination/0/9">http://localhost:8080/api/books/pagination/0/9</a>	<a href="http://localhost:8080/api/books/pagination/0/5">http://localhost:8080/api/books/pagination/0/5</a>
 <pre>JSON ├── content │   ├── 0 │   ├── 1 │   ├── 2 │   ├── 3 │   ├── 4 │   ├── 5 │   ├── 6 │   ├── 7 │   └── 8 ├── pageable │   ├── last : true │   ├── totalPages : 1 │   ├── totalElements : 9 │   ├── size : 9 │   └── sort │       ├── numberOfElements : 9 │       ├── first : true │       ├── number : 0 │       └── empty : false</pre>	 <pre>JSON ├── content │   ├── 0 │   ├── 1 │   ├── 2 │   ├── 3 │   └── 4 ├── pageable │   ├── sort │   │   ├── offset : 0 │   │   ├── pageSize : 5 │   │   ├── pageNumber : 0 │   │   ├── unpaged : false │   │   └── paged : true │   ├── last : false │   ├── totalPages : 2 │   ├── totalElements : 9 │   ├── size : 5 │   └── sort │       ├── numberOfElements : 5 │       ├── first : true │       ├── number : 0 │       └── empty : false</pre>

## SORT AND PAGINATION:

Books (ascending):

SELECT \* FROM BOOK;

ID	CREATED_DATE	LAST_MODIFIED_DATE	TITLE ▼	AUTHOR_ID
2	2022-05-24 17:22:27.606	2022-05-24 17:22:27.606	All Passion Spent	1
12	2022-05-24 17:22:27.642	2022-05-24 17:22:27.642	Blue Remembered Earth	9
11	2022-05-24 17:22:27.639	2022-05-24 17:22:27.639	Mother Night	9
3	2022-05-24 17:22:27.611	2022-05-24 17:22:27.611	No Highway	1
7	2022-05-24 17:22:27.625	2022-05-24 17:22:27.625	Terrible Swift Sword	5
6	2022-05-24 17:22:27.621	2022-05-24 17:22:27.621	The Green Bay Tree	5
10	2022-05-24 17:22:27.636	2022-05-24 17:22:27.636	The Soldier's Art	9
4	2022-05-24 17:22:27.614	2022-05-24 17:22:27.614	The Way Through the Woods	1
8	2022-05-24 17:22:27.628	2022-05-24 17:22:27.628	Wildfire at Midnight	5

<http://localhost:8080/api/books/paginationAndSort/0/3?field=title&order=asc>

```
{
  "content": [
    {
      "createdDate": "2022-05-24T09:22:27.606+00:00",
      "lastModifiedDate": "2022-05-24T09:22:27.606+00:00",
      "id": 2,
      "title": "All Passion Spent",
      "author": {
        "createdDate": "2022-05-24T09:22:27.500+00:00",
        "lastModifiedDate": "2022-05-24T09:22:27.500+00:00",
        "id": 1,
        "name": "Verdie O'Conner MD"
      }
    },
    {
      "createdDate": "2022-05-24T09:22:27.642+00:00",
      "lastModifiedDate": "2022-05-24T09:22:27.642+00:00",
      "id": 12,
      "title": "Blue Remembered Earth",
      "author": {
        "createdDate": "2022-05-24T09:22:27.634+00:00",
        "lastModifiedDate": "2022-05-24T09:22:27.634+00:00",
        "id": 9,
        "name": "Carrol Crona"
      }
    }
  ]
}
```

```

{
  "createdDate": "2022-05-24T09:22:27.639+00:00",
  "lastModifiedDate": "2022-05-24T09:22:27.639+00:00",
  "id": 11,
  "title": "Mother Night",
  "author": {
    "createdDate": "2022-05-24T09:22:27.634+00:00",
    "lastModifiedDate": "2022-05-24T09:22:27.634+00:00",
    "id": 9,
    "name": "Carrol Crona"
  }
},
"pageable": {
  "sort": {
    "empty": false,
    "sorted": true,
    "unsorted": false
  },
  "offset": 0,
  "pageSize": 3,
  "pageNumber": 0,
  "unpaged": false,
  "paged": true
},
"last": false,
"totalPages": 3,
"totalElements": 9,
"size": 3,
"sort": {
  "empty": false,
  "sorted": true,
  "unsorted": false
},
"numberOfElements": 3,
"first": true,
"number": 0,
"empty": false
}

```

<http://localhost:8080/api/books/paginationAndSort/1/3?field=title&order=asc>

```

{
  "content": [
    {
      "createdDate": "2022-05-24T09:22:27.611+00:00",

```

```
"lastModifiedDate": "2022-05-24T09:22:27.611+00:00",
"id": 3,
"title": "No Highway",
"author": {
  "createdDate": "2022-05-24T09:22:27.500+00:00",
  "lastModifiedDate": "2022-05-24T09:22:27.500+00:00",
  "id": 1,
  "name": "Verdie O'Conner MD"
}
},
{
  "createdDate": "2022-05-24T09:22:27.625+00:00",
  "lastModifiedDate": "2022-05-24T09:22:27.625+00:00",
  "id": 7,
  "title": "Terrible Swift Sword",
  "author": {
    "createdDate": "2022-05-24T09:22:27.618+00:00",
    "lastModifiedDate": "2022-05-24T09:22:27.618+00:00",
    "id": 5,
    "name": "Petronila Braun"
  }
},
{
  "createdDate": "2022-05-24T09:22:27.621+00:00",
  "lastModifiedDate": "2022-05-24T09:22:27.621+00:00",
  "id": 6,
  "title": "The Green Bay Tree",
  "author": {
    "createdDate": "2022-05-24T09:22:27.618+00:00",
    "lastModifiedDate": "2022-05-24T09:22:27.618+00:00",
    "id": 5,
    "name": "Petronila Braun"
  }
}
],
"pageable": {
  "sort": {
    "empty": false,
    "sorted": true,
    "unsorted": false
  },
  "offset": 3,
  "pageSize": 3,
  "pageNumber": 1,
  "unpaged": false,
  "paged": true
},
"last": false,
```

```
"totalPages": 3,
"totalElements": 9,
"size": 3,
"sort": {
  "empty": false,
  "sorted": true,
  "unsorted": false
},
"numberOfElements": 3,
"first": false,
"number": 1,
"empty": false
}
```

<http://localhost:8080/api/books/paginationAndSort/2/3?field=title&order=asc>

```
{
  "content": [
    {
      "createdDate": "2022-05-24T09:22:27.636+00:00",
      "lastModifiedDate": "2022-05-24T09:22:27.636+00:00",
      "id": 10,
      "title": "The Soldier's Art",
      "author": {
        "createdDate": "2022-05-24T09:22:27.634+00:00",
        "lastModifiedDate": "2022-05-24T09:22:27.634+00:00",
        "id": 9,
        "name": "Carrol Crona"
      }
    },
    {
      "createdDate": "2022-05-24T09:22:27.614+00:00",
      "lastModifiedDate": "2022-05-24T09:22:27.614+00:00",
      "id": 4,
      "title": "The Way Through the Woods",
      "author": {
        "createdDate": "2022-05-24T09:22:27.500+00:00",
        "lastModifiedDate": "2022-05-24T09:22:27.500+00:00",
        "id": 1,
        "name": "Verdie O'Conner MD"
      }
    },
    {
      "createdDate": "2022-05-24T09:22:27.628+00:00",
      "lastModifiedDate": "2022-05-24T09:22:27.628+00:00",
      "id": 8,
```

```
    "title": "Wildfire at Midnight",
    "author": {
      "createdDate": "2022-05-24T09:22:27.618+00:00",
      "lastModifiedDate": "2022-05-24T09:22:27.618+00:00",
      "id": 5,
      "name": "Petronila Braun"
    }
  },
  "pageable": {
    "sort": {
      "empty": false,
      "sorted": true,
      "unsorted": false
    },
    "offset": 6,
    "pageSize": 3,
    "pageNumber": 2,
    "unpaged": false,
    "paged": true
  },
  "last": true,
  "totalPages": 3,
  "totalElements": 9,
  "size": 3,
  "sort": {
    "empty": false,
    "sorted": true,
    "unsorted": false
  },
  "numberOfElements": 3,
  "first": false,
  "number": 2,
  "empty": false
}
```

Authors (descending):

SELECT \* FROM AUTHOR;

ID	CREATED_DATE	LAST_MODIFIED_DATE	NAME
1	2022-05-24 17:22:27.5	2022-05-24 17:22:27.5	Verdie O'Conner MD
5	2022-05-24 17:22:27.618	2022-05-24 17:22:27.618	Petronila Braun
9	2022-05-24 17:22:27.634	2022-05-24 17:22:27.634	Carrol Crona

(3 rows, 2 ms)

<http://localhost:8080/api/books/paginationAndSort/0/3?field=authorName&order=desc>

```
{
  "content": [
    {
      "createdAt": "2022-05-24T09:22:27.614+00:00",
      "lastModifiedDate": "2022-05-24T09:22:27.614+00:00",
      "id": 4,
      "title": "The Way Through the Woods",
      "author": {
        "createdAt": "2022-05-24T09:22:27.500+00:00",
        "lastModifiedDate": "2022-05-24T09:22:27.500+00:00",
        "id": 1,
        "name": "Verdie O'Conner MD"
      }
    },
    {
      "createdAt": "2022-05-24T09:22:27.611+00:00",
      "lastModifiedDate": "2022-05-24T09:22:27.611+00:00",
      "id": 3,
      "title": "No Highway",
      "author": {
        "createdAt": "2022-05-24T09:22:27.500+00:00",
        "lastModifiedDate": "2022-05-24T09:22:27.500+00:00",
        "id": 1,
        "name": "Verdie O'Conner MD"
      }
    },
    {
      "createdAt": "2022-05-24T09:22:27.606+00:00",
      "lastModifiedDate": "2022-05-24T09:22:27.606+00:00",
      "id": 2,
      "title": "All Passion Spent",
      "author": {
        "createdAt": "2022-05-24T09:22:27.500+00:00",
        "lastModifiedDate": "2022-05-24T09:22:27.500+00:00",
        "id": 1,
        "name": "Verdie O'Conner MD"
      }
    }
  ],
  "pageable": {
    "sort": {
      "empty": false,
      "sorted": true,
      "unsorted": false
    },
    "offset": 0,
    "pageSize": 3,
    "pageNumber": 0,
    "unpaged": false,
    "paged": true
  },
  "last": false,
  "totalPages": 3,
  "totalElements": 9,
  "size": 3,
  "sort": {
    "empty": false,
    "sorted": true,
    "unsorted": false
  },
  "numberOfElements": 3,
  "first": true,
  "number": 0,
  "empty": false
}
```



<http://localhost:8080/api/books/paginationAndSort/1/3?field=authorName&order=desc>

```
{
  "content": [
    {
      "createdAt": "2022-05-24T09:22:27.628+00:00",
      "lastModifiedDate": "2022-05-24T09:22:27.628+00:00",
      "id": 8,
      "title": "Wildfire at Midnight",
      "author": {
        "createdAt": "2022-05-24T09:22:27.618+00:00",
        "lastModifiedDate": "2022-05-24T09:22:27.618+00:00",
        "id": 5,
        "name": "Petronila Braun"
      }
    },
    {
      "createdAt": "2022-05-24T09:22:27.621+00:00",
      "lastModifiedDate": "2022-05-24T09:22:27.621+00:00",
      "id": 6,
      "title": "The Green Bay Tree",
      "author": {
        "createdAt": "2022-05-24T09:22:27.618+00:00",
        "lastModifiedDate": "2022-05-24T09:22:27.618+00:00",
        "id": 5,
        "name": "Petronila Braun"
      }
    },
    {
      "createdAt": "2022-05-24T09:22:27.625+00:00",
      "lastModifiedDate": "2022-05-24T09:22:27.625+00:00",
      "id": 7,
      "title": "Terrible Swift Sword",
      "author": {
        "createdAt": "2022-05-24T09:22:27.618+00:00",
        "lastModifiedDate": "2022-05-24T09:22:27.618+00:00",
        "id": 5,
        "name": "Petronila Braun"
      }
    }
  ],
  "pageable": {
    "sort": {
      "empty": false,
      "sorted": true,
      "unsorted": false
    },
    "offset": 3,
    "pageSize": 3,
    "pageNumber": 1,
    "unpaged": false,
    "paged": true
  },
  "last": false,
  "totalPages": 3,
  "totalElements": 9,
  "size": 3,
  "sort": {
    "empty": false,
    "sorted": true,
    "unsorted": false
  },
  "numberOfElements": 3,
  "first": false,
  "number": 1,
  "empty": false
}
```

<http://localhost:8080/api/books/paginationAndSort/2/3?field=authorName&order=desc>

```
{
  "content": [
    {
      "createdAt": "2022-05-24T09:22:27.642+00:00",
```

```
"lastModifiedDate": "2022-05-24T09:22:27.642+00:00",
"id": 12,
"title": "Blue Remembered Earth",
"author": {
  "createdAt": "2022-05-24T09:22:27.634+00:00",
  "lastModifiedDate": "2022-05-24T09:22:27.634+00:00",
  "id": 9,
  "name": "Carrol Crona"
},
},
{
  "createdAt": "2022-05-24T09:22:27.636+00:00",
  "lastModifiedDate": "2022-05-24T09:22:27.636+00:00",
  "id": 10,
  "title": "The Soldier's Art",
  "author": {
    "createdAt": "2022-05-24T09:22:27.634+00:00",
    "lastModifiedDate": "2022-05-24T09:22:27.634+00:00",
    "id": 9,
    "name": "Carrol Crona"
  }
},
{
  "createdAt": "2022-05-24T09:22:27.639+00:00",
  "lastModifiedDate": "2022-05-24T09:22:27.639+00:00",
  "id": 11,
  "title": "Mother Night",
  "author": {
    "createdAt": "2022-05-24T09:22:27.634+00:00",
    "lastModifiedDate": "2022-05-24T09:22:27.634+00:00",
    "id": 9,
    "name": "Carrol Crona"
  }
},
},
"pageable": {
  "sort": {
    "empty": false,
    "sorted": true,
    "unsorted": false
  },
  "offset": 6,
  "pageSize": 3,
  "pageNumber": 2,
  "unpaged": false,
  "paged": true
},
"last": true,
"totalPages": 3,
"totalElements": 9,
"size": 3,
"sort": {
  "empty": false,
  "sorted": true,
  "unsorted": false
},
"numberOfElements": 3,
"first": false,
"number": 2,
"empty": false
}
```