#1 Fundamentals of Data Management

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Credit Task 2.2.2

The JSONiq is:

```
1   jsoniq version "1.0";
2
3   let $file :=
4
5   {
6
7           {
8           "title": "Fifty Shades of Grey",
9           "author": "E.L.",
10          "date_read": {
11              "month": "May",
12              "year": "2016"
13          },
14          "opinion": "Did not like very much"
15          },
16          {
17          "title": "The grass is singing",
18          "author": "Doris Lessing",
19          "date_read": {
20              "month": "June",
21              "year": "2016"
22          },
23          "opinion": "Enjoyed quite a bit"
24          },
25          {
26          "title": "A short history on nearly everything",
27          "author": "Bill Bryson",
28          "date_read": {
29              "month": "July",
30              "year": "2016"
31          },
32          "opinion": "Very informative"
33          },
34          {
35              "title": "JSON in 24 hours",
36              "author": "Peter Settler",
37              "purpose": "Work"
38          },
39          {
40              "title": "Miss Smilla's feeling for snow",
41              "author": "Peter Hoegs",
42              "purpose": "Entertainment"
43          }
44
45  }
46
47  for $x in $file
48  return $x.title
```

```
        "date_read": {
            "month": "June",
            "year": "2016"
        },
        "opinion": "Enjoyed quite a bit"
    },
    {
        "title": "A short history on nearly everything",
        "author": "Bill Bryson",
        "date_read": {
            "month": "July",
            "year": "2016"
        },
        "opinion": "Very informative"
    },
    {
            "title": "JSON in 24 hours",
            "author": "Peter Settler",
            "purpose": "Work"
    },
    {
            "title": "Miss Smilla's feeling for snow",
            "author": "Peter Hoegs",
            "purpose": "Entertainment"
    }
}

for $x in $file
return $x.title
```

XQuery parser is used by default and `jsoniq version "1.0"`; is needed to switch to the JSONiq parser.

Execute

| **XML Documents** ⌄

| **XQuery Execution Plan**   feedback 📝

Execution Plan 📕

| **Result**   feedback 📝

```
<?xml version="1.0" encoding="UTF-8"?>
Fifty Shades of Grey The grass is singing A short history on nearly everything JSON in 24 hours Miss Smilla's feeling for snow
```