

Aim:

To write program using ajax to create a xml document and retrieve details from it.

Program:

Books.html

```
<!DOCTYPE html>

<html>

<head>

    <title>Book Details</title>

    <script type="text/javascript">

        function getBookDetails(bookId) {

            var xhttp = new XMLHttpRequest();

            xhttp.onreadystatechange = function() {

                if (this.readyState == 4 && this.status == 200) {

                    var xmlDoc = this.responseXML;

                    var book = xmlDoc.getElementsByTagName("book")[bookId - 1];

                    var title = book.getElementsByTagName("title")[0].childNodes[0].nodeValue;

                    var author = book.getElementsByTagName("author")[0].childNodes[0].nodeValue;

                    var year = book.getElementsByTagName("year")[0].childNodes[0].nodeValue;

                    var price = book.getElementsByTagName("price")[0].childNodes[0].nodeValue;

                    var message = "Title: " + title + "<br>Author: " + author + "<br>Year: " + year
+ "<br>Price: $" + price;

                    document.getElementById("bookDetails").innerHTML = message;

                }

            };

            xhttp.open("GET", "books.xml", true);

            xhttp.send();

        }

    </script>

</head>

</html>
```

```
</script>

</head>

<body>

  <label for="bookId">Enter Book ID:</label>

  <input type="text" id="bookId">

  <button onclick="getBookDetails(document.getElementById('bookId').value)">Get Book
Details</button>

  <div id="bookDetails"></div>

</body>

</html>
```

Books.xml

```
<?xml version="1.0" encoding="UTF-8"?>

<catalog>

  <book id="1">

    <title>The almanack of naval ravikant</title>

    <author>eric jorgenson</author>

    <year>2018</year>

    <price>400</price>

  </book>

  <book id="2">

    <title>atomic habits</title>

    <author>james clear</author>

    <year>2005</year>

    <price>300</price>

  </book>

  <book id="3">

    <title>rich dad poor dad</title>

    <author>robert kiyosaki</author>
```

```
<year>2000</year>

<price>250</price>

</book>

<book id="4">

  <title>psychology of money</title>

  <author>morgan house</author>

  <year>2009</year>

  <price>500</price>

</book>

<book id="5">

  <title>Pride and Prejudice</title>

  <author>Jane Austen</author>

  <year>1950</year>

  <price>700</price>

</book>

</catalog>
```

Output:

---

Enter Book ID:

Title: Pride and Prejudice  
Author: Jane Austen  
Year: 1950  
Price: \$700

---

Enter Book ID:

<b>Observation(20)</b>	
<b>Record(5)</b>	
<b>Total(25)</b>	
<b>Initial</b>	

Result:

Thus,the ajax program to create a xml document and retrive data is written ,executed sucessfully.

