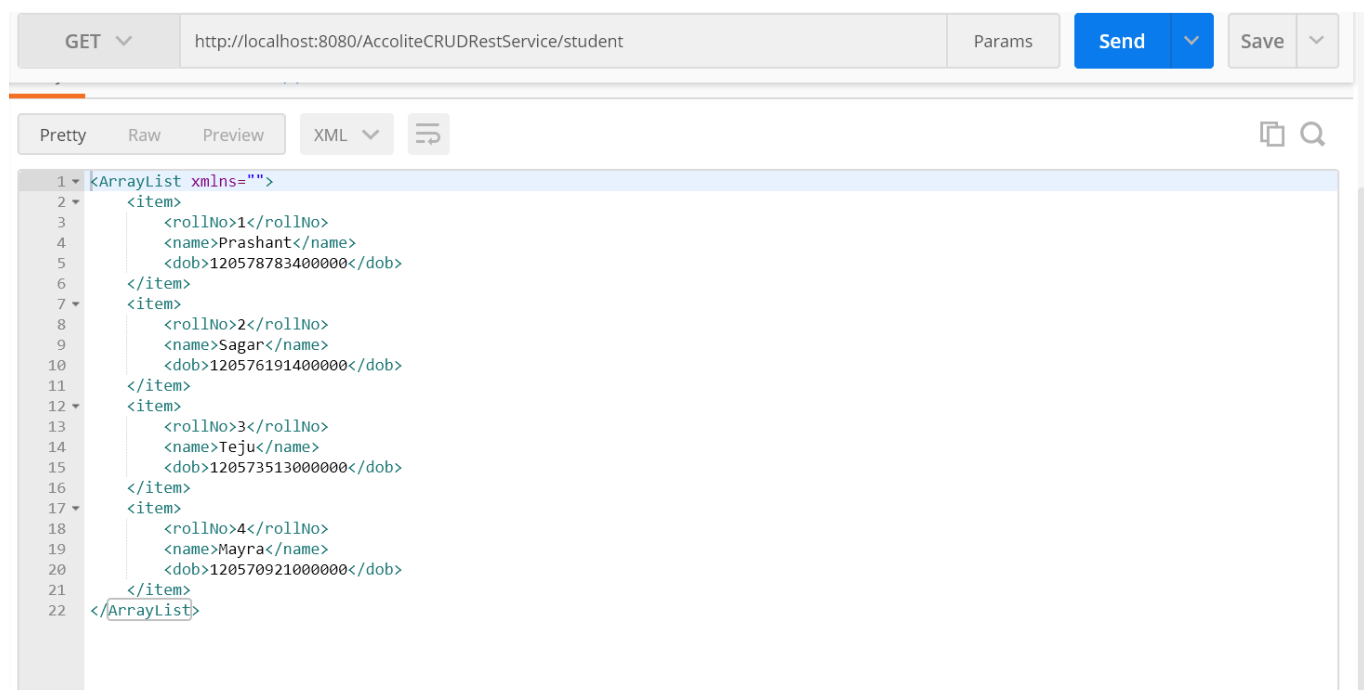# REST API Assignment

Expose restful web services to perform CRUD opeartion on Student data as :

1. Get list of all students : Output should be in XML format
2. Get details of perticular student, apply filter on name or rollno : Output should be in JSON format.
3. Add new student : Pass student details in XML format.
4. Update existing student : Pass student details in JSON format.
5. Delete student by filter like name or rollno and display delete student details in XML format.
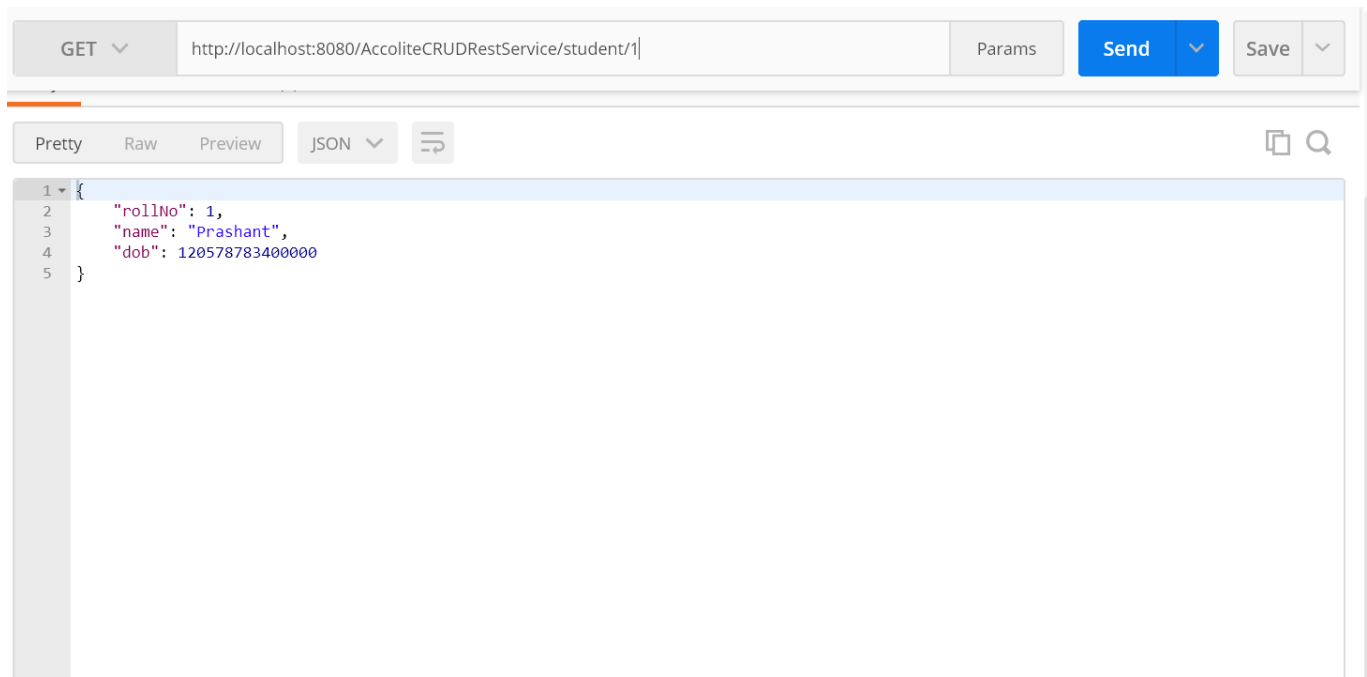
Output 1

Output 2

| GET ∨ | http://localhost:8080/AccoliteCRUDRestService/student/1 | Params | Send ∨ | Save ∨ |

Pretty   Raw   Preview   JSON ∨   ⇥

```
1 ▾ {
2        "rollNo": 1,
3        "name": "Prashant",
4        "dob": 120578783400000
5   }
```

Output 3

| POST ∨ | http://localhost:8080/AccoliteCRUDRestService/student | Params | Send ∨ | Save ∨ |

Authorization   Headers (1)   Body ●   Pre-request Script   Tests   Code

○ form-data   ○ x-www-form-urlencoded   ● raw   ○ binary   XML (application/xml) ∨

```
1
2 ▾    <item>
3            <rollNo>5</rollNo>
4            <name>srujan</name>
5            <dob>83400000</dob>
6        </item>
7
8
9
```

Body   Cookies   Headers (4)   Test Results   Status: 201 Created   Time: 164 ms

After adding new student

| GET ∨ | http://localhost:8080/AccoliteCRUDRestService/student | Params | **Send** ∨ | Save ∨ |

Pretty   Raw   Preview   XML ∨

```
 1 ▾ <ArrayList xmlns="">
 2 ▾     <item>
 3           <rollNo>1</rollNo>
 4           <name>Prashant</name>
 5           <dob>120578783400000</dob>
 6       </item>
 7 ▾     <item>
 8           <rollNo>2</rollNo>
 9           <name>Sagar</name>
10           <dob>120576191400000</dob>
11       </item>
12 ▾     <item>
13           <rollNo>3</rollNo>
14           <name>Teju</name>
15           <dob>120573513000000</dob>
16       </item>
17 ▾     <item>
18           <rollNo>4</rollNo>
19           <name>Mayra</name>
20           <dob>120570921000000</dob>
21       </item>
22 ▾     <item>
23           <rollNo>5</rollNo>
24           <name>srujan</name>
25           <dob>83400000</dob>
26       </item>
27   </ArrayList>
```
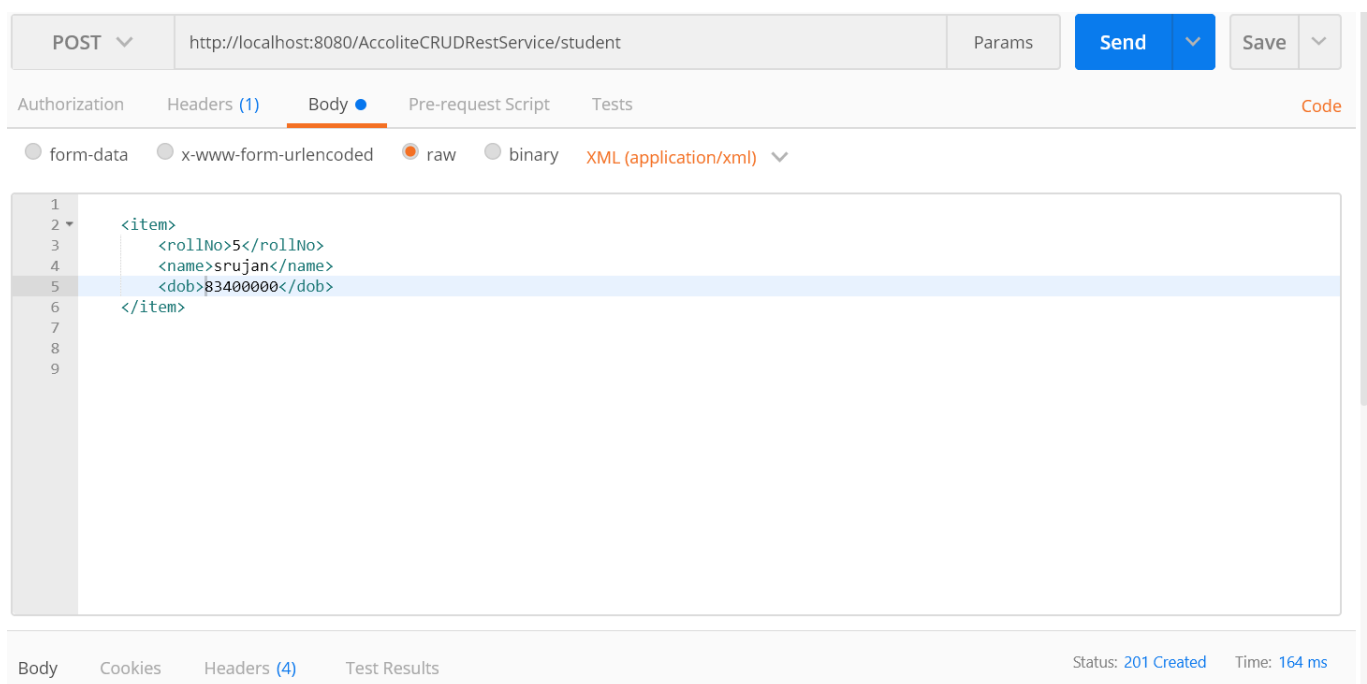
Output 4

| PUT ∨ | http://localhost:8080/AccoliteCRUDRestService/student/5 | Params | **Send** ∨ | Save ∨ |

Authorization   Headers (1)   Body ●   Pre-request Script   Tests   Code
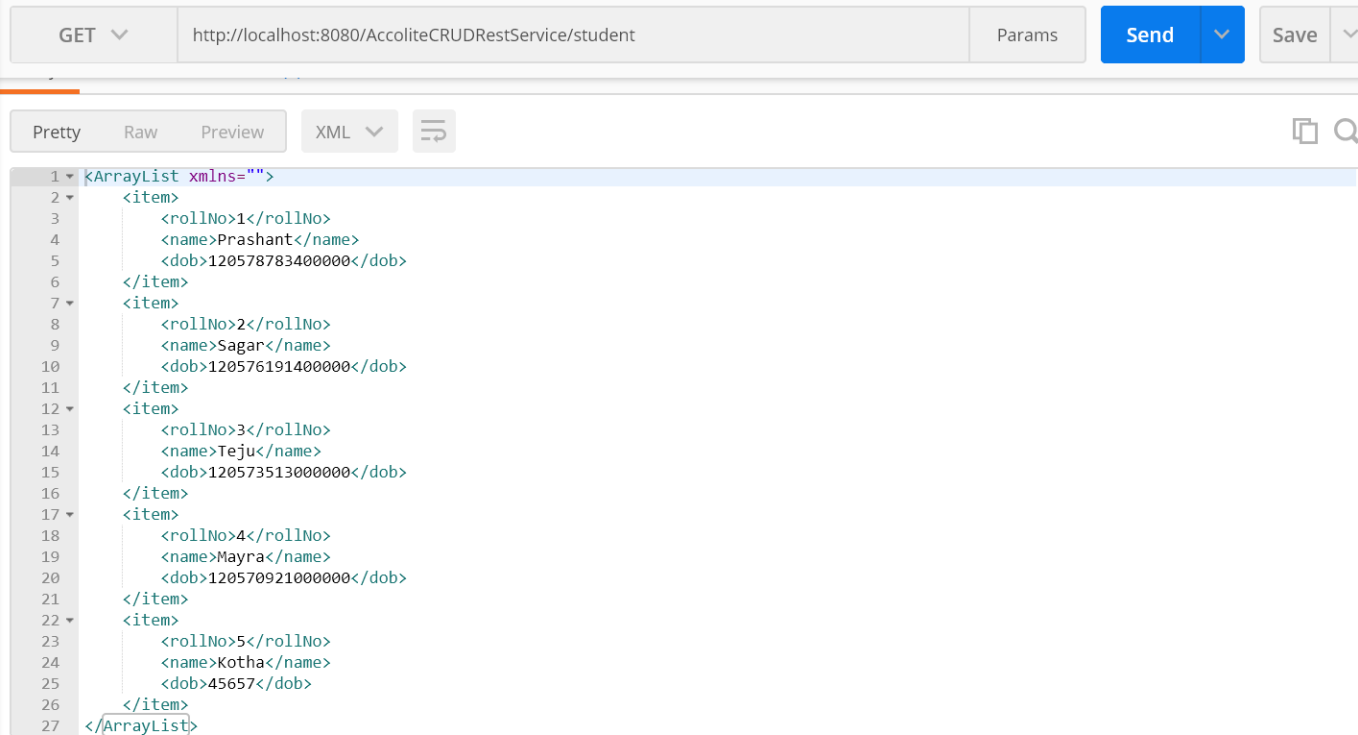
○ form-data   ○ x-www-form-urlencoded   ● raw   ○ binary   XML (application/xml) ∨

```
 1 ▾ <Student xmlns="">
 2       <rollNo>5</rollNo>
 3       <name>Kothak</name>
 4       <dob>45657</dob>
 5   </Student>
```
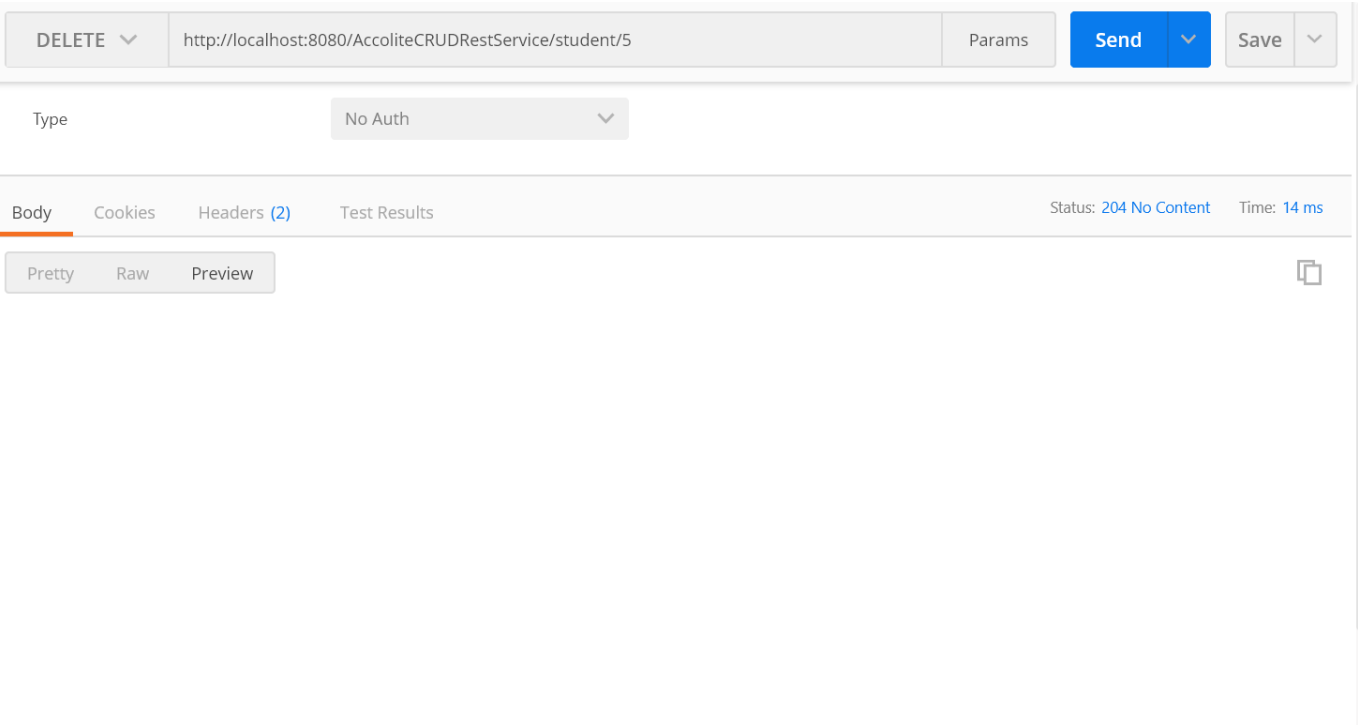
Body   Cookies   Headers (4)   Test Results   Status: 200 OK   Time: 22 ms

After updating

```
 1 ▾ <ArrayList xmlns="">
 2 ▾     <item>
 3           <rollNo>1</rollNo>
 4           <name>Prashant</name>
 5           <dob>120578783400000</dob>
 6       </item>
 7 ▾     <item>
 8           <rollNo>2</rollNo>
 9           <name>Sagar</name>
10           <dob>120576191400000</dob>
11       </item>
12 ▾     <item>
13           <rollNo>3</rollNo>
14           <name>Teju</name>
15           <dob>120573513000000</dob>
16       </item>
17 ▾     <item>
18           <rollNo>4</rollNo>
19           <name>Mayra</name>
20           <dob>120570921000000</dob>
21       </item>
22 ▾     <item>
23           <rollNo>5</rollNo>
24           <name>Kotha</name>
25           <dob>45657</dob>
26       </item>
27 </ArrayList>
```

Output 5

After deleting one student

| GET ∨ | http://localhost:8080/AccoliteCRUDRestService/student | | Params | Send ∨ | Save ∨ |

Pretty   Raw   Preview   XML ∨ ⇥

```xml
 1  <ArrayList xmlns="">
 2      <item>
 3          <rollNo>1</rollNo>
 4          <name>Prashant</name>
 5          <dob>120578783400000</dob>
 6      </item>
 7      <item>
 8          <rollNo>2</rollNo>
 9          <name>Sagar</name>
10          <dob>120576191400000</dob>
11      </item>
12      <item>
13          <rollNo>3</rollNo>
14          <name>Teju</name>
15          <dob>120573513000000</dob>
16      </item>
17      <item>
18          <rollNo>4</rollNo>
19          <name>Mayra</name>
20          <dob>120570921000000</dob>
21      </item>
22  </ArrayList>
```

Deleting all students

| DELETE ∨ | http://localhost:8080/AccoliteCRUDRestService/student | | Params | Send ∨ | Save ∨ |

Authorization   Headers   Body   Pre-request Script   Tests   Code

Type   No Auth   ∨

Body   Cookies   Headers (2)   Test Results   Status: 204 No Content   Time: 23 ms

Pretty   Raw   Preview   Text ∨ ⇥

```
 1
```