Create 3 XML and JSON files for department,year,student

1. Department XML:

xml

<departments>

<department>

<id>1</id>

<name>Computer Science</name>

<head\_of\_department>Dr. Smith</head\_of\_department>

</department>

<department>

<id>2</id>

<name>Physics</name>

<head\_of\_department>Prof. Johnson</head\_of\_department>

</department>

</departments>

Department JSON:

json

{

"departments": [

{

"id": 1,

"name": "Computer Science",

"head\_of\_department": "Dr. Smith"

},

{

"id": 2,

"name": "Physics",

"head\_of\_department": "Prof. Johnson"

}

]

}

2. Year XML:

xml

<years>

<year>

<id>1</id>

<name>Freshman</name>

</year>

<year>

<id>2</id>

<name>Sophomore</name>

</year>

<year>

<id>3</id>

<name>Junior</name>

</year>

<year>

<id>4</id>

<name>Senior</name>

</year>

</years>

Year JSON:

json

{

"years": [

{

"id": 1,

"name": "Freshman"

},

{

"id": 2,

"name": "Sophomore"

},

{

"id": 3,

"name": "Junior"

},

{

"id": 4,

"name": "Senior"

}

]

}

3. Student XML:

xml

<students>

<student>

<id>1</id>

<name>John Doe</name>

<department\_id>1</department\_id>

<year\_id>2</year\_id>

<email>john.doe@example.com</email>

</student>

<student>

<id>2</id>

<name>Jane Smith</name>

<department\_id>2</department\_id>

<year\_id>3</year\_id>

<email>jane.smith@example.com</email>

</student>

</students>

Student JSON:

json

{

"students": [

{

"id": 1,

"name": "John Doe",

"department\_id": 1,

"year\_id": 2,

"email": "john.doe@example.com"

},

{

"id": 2,

"name": "Jane Smith",

"department\_id": 2,

"year\_id": 3,

"email": "jane.smith@example.com"

}

]

}