3Create a file with depertment as root, year as subroot and student as an element

To create a file with a structure where the department is the root, the year is the subroot, and students are **elements**, we can use an XML format. Here's an example of how you might structure this:

## XML

```
<departments>
<department name="Computer Science">
  <year name="2024">
   <student>
     <name>John Doe</name>
     <id>CS2024-01</id>
     <gpa>3.8</gpa>
    </student>
    <student>
     <name>Jane Smith</name>
     <id>CS2024-02</id>
     <gpa>3.9</gpa>
    </student>
  </year>
  <year name="2023">
    <student>
     <name>Emily Johnson</name>
     <id>CS2023-01</id>)
     <gpa>3.7</gpa>
   </student>
  </year>
</department>
```

```
<department name="Mechanical Engineering">
   <year name="2024">
       <student>
           <name>Michael Brown</name>
           <id>ME2024-01</id>
           <gpa>3.6</gpa>
           </student>
           </department>
```

</departments>