

Creating a file with department as root, year as subroot, and student as an element

```
{
  "Department": {
    "Year1": [
      {
        "Name": "John Doe",
        "ID": "S12345",
        "GPA": 3.5
      },
      {
        "Name": "Jane Smith",
        "ID": "S12346",
        "GPA": 3.8
      }
    ],
    "Year2": [
      {
        "Name": "Alice Johnson",
        "ID": "S12347",
        "GPA": 3.9
      },
      {
        "Name": "Bob Brown",
        "ID": "S12348",
```

```
      "GPA": 3.4
    }
  ],
  "Year3": [
    {
      "Name": "Charlie Davis",
      "ID": "S12349",
      "GPA": 3.6
    },
    {
      "Name": "Diana Miller",
      "ID": "S12350",
      "GPA": 3.7
    }
  ],
  "Year4": [
    {
      "Name": "Ethan Wilson",
      "ID": "S12351",
      "GPA": 3.9
    },
    {
      "Name": "Fiona Clark",
      "ID": "S12352",
      "GPA": 4.0
    }
  ]
}
```

]

}

}