Q1:JSON

corrected JSON

```
{
"students": [
    "id": 101,
    "name": "Sarah Johnson",
    "courses": ["CS101", "MATH200", "ENG150"],
    "gpa": 3.85,
    "active": true,
    "graduation_date": null
    },
    "id": 102,
    "name": "Alex Chen",
    "courses": ["CS101", "CS102", "STAT101"],
    "gpa": 3.92,
    "active": true,
    "advisor": null,
    "notes": "Excellent student with strong analytical skills"
    },
    "id": 103,
    "name": "Maria Rodriguez",
    "courses": [],
    "gpa": 3.67,
    "active": false,
    "special_programs": ["honors", "research"]
    }
],
"last_updated": "2024-09-15T10:30:00Z",
"total students": 3
}
```

Errors and Fix

```
Error: Multiple top-level { ... } objects.
Fix: Wrap them in one root, e.g. {"students":[ {...}, {...}, {...}]}.
Error: Missing comma after "id": 102.
Fix: add , → "id": 102,
```

- Error: Missing comma between "CS101" and "CS102".
 - **Fix:** ["CS101", "CS102", "STAT101"]
- Error: True (capital T) is invalid JSON.
 - Fix: use true.
- **Error:** undefined is not allowed in JSON.
 - Fix: use null or remove the field, e.g. "advisor": null.
- Error: Missing comma between objects in an array () followed immediately by {).
 - Fix: add , between objects: }, {
- Error: Trailing comma after last property in an object.
 - Fix: remove the trailing comma.
- Error: Stray] /unmatched brackets because array was never opened.
 - Fix: ensure [is added where needed and brackets match the array.
- Error (minor): Inconsistent id types ("103" is string while others are numbers).
 - Fix: make them consistent, e.g. "id": 103.

Q2:TOML

- a. 2 feature flags. new ui is active (enabled = true), analytics is inactive.
- b. **Log rotates** when it hits 100MB (a new file is started; exact backup behavior depends on the logging tool).
- c. **Change** host = "0.0.0.0" to host = "127.0.0.1" (or "localhost").
- d. 3600 seconds (which is 1 hour).
- e. $[feature_flags] = one table; [[feature_flags]] = an array of tables (use [[...]] to define multiple flags).$