Introduction to Web Technology

Lab Programming Exercise (Week 10)
(this is not an assignment)

Question 1. This is the content of a JSON file which contains several errors.

```
{
  "firstName": "John",
  "lastName": "Smith",
  [
    {
      "code": "MATH101",
      "title":"Algebra"
    },
    {
      "code":"CSIT122",
      "title":"C programming"
    }
  ],
  age: 23
}
```

Your task is to identify these errors and correct them.
Save your correct JSON code into a file called Question1.json.

Question 2. Write a JSON document called Question2.json that represents the following student record:

SMITH, John - student id 1231234			
Subject	Credit Point	Mark	Grade
MATH101	4	85	A
ECON111	5	70	B
CS100	5	80	A
LAW121	6	75	B

Question 3. Create a web page Question3.html that looks like the following:

Subject code: [MATH101]
Subject title: [Abstract Algebra]
Subject credit point: [4]
Core subject: ☐

```
 View JSON
{
   "code": "MATH101",
   "title": "Abstract Algebra",
   "cp": 4,
   "coreFlag": false
}
```

When the user clicks the button, read the information entered by the user and construct a subject object. Construct the JSON of the object and display it in the text area.

The program does not need to handle user input error.

Question 4. Create a web page Question4.html that looks like the following:

```
{
   "code": "MATH101",
   "title": "Abstract Algebra",
   "cp": 4,
   "coreFlag": false
}
```
Read JSON

Subject code: [   ]
Subject title: [   ]
Subject credit point: [   ]
Core subject: ☐

Copy and paste the JSON from Question 3 into the text area. When the button is clicked, read the JSON in the text area and construct a subject object. Extract the information from the subject object and display them in the text fields and the checkbox.

The program does not need to handle user input error.

END OF THE PROGRAMMING EXERCISE