

WEB PROGRAMMING ASSIGNMENT : DYNAMICALLY POPULATE A TABLE

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Step 1:

```
<?php
$course_json = '[{"ID":"1", "code":"CSE333","Name":"Algorithm","numOfStudents":"120", "numOfExams":"5"}, {"ID":"2", "code":"CSE236","Name":"Web Programming","numOfStudents":"99", "numOfExams":"5"}]';
```

The `$course_json` variable contains a JSON string that represents information about courses in an array format. Each course is represented as an object with properties like ID, code, Name, numOfStudents, and numOfExams.

Step 2:

```
$result_json = json_decode($course_json);
```

The `json_decode` function is used to convert the JSON string into a PHP associative array, and the result is stored in the `$result_json` variable.

The code then starts constructing an HTML table to display the course information.

Step 3:

```
echo '<table>';
foreach($result_json as $result){
    echo '<tr>';
        echo '<td>'.$result->ID.'</td>';
        echo '<td>'.$result->code.'</td>';
        echo '<td>'.$result->Name.'</td>';
        echo '<td>'.$result->numOfStudents.'</td>';
        echo '<td>'.$result->numOfExams.'</td>';
    echo '</tr>';
}
echo '</table>';
```

A `foreach` loop is used to iterate over each course in the `$result_json` array.

Inside the loop, each course's ID, code, Name, numOfStudents, and numOfExams are extracted from the array and displayed in separate cells within a table row.

Finally, the HTML table is closed after all courses have been displayed.