

Web Programming LAB

Discussion 5

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Q1 / What are the differences between GET & POST methods?

Sol / GET is used to request data from a server, with parameters visible in the URL, suitable for non-sensitive data retrieval and bookmarking. POST is used to submit data to a server, with parameters in the request body, ideal for sensitive information and actions that change server state.

Q2 / Write a PHP script to create a form for entering three names and their emails and then print the names with the emails on the web page as sorting ascending. (Use GET

```
<!DOCTYPE html>
<html>
<body>
    <?php
        $name_1 = $_GET['name_1'];
        $email_1 = $_GET['email_1'];
        $name_2 = $_GET['name_2'];
        $email_2 = $_GET['email_2'];
        $name_3 = $_GET['name_3'];
        $email_3 = $_GET['email_3'];

        $arr = array(
            array('name' => $name_1, 'email' => $email_1),
            array('name' => $name_2, 'email' => $email_2),
            array('name' => $name_3, 'email' => $email_3)
        );

        usort($arr, function($a, $b) {
            return strcmp($a['name'], $b['name']);
        });

        foreach ($arr as $item) {
            echo $item['name'] . ": " . $item['email'] . "<br>";
        }
    ?>
</body>
</html>
```

Q3 / There are many other methods besides those mentioned in this lecture that could be used to avoid hacking operations. Mention some of them and give an example of one of them.

Sol /

1-Input Validation and Sanitization

For example, using input validation functions like `filter_var()` in PHP to validate and sanitize user-supplied email addresses.

2-Server-Side Validation

3-Secure Password Storage

4-Cross-Site Request Forgery (CSRF) Protection

5-Security Headers