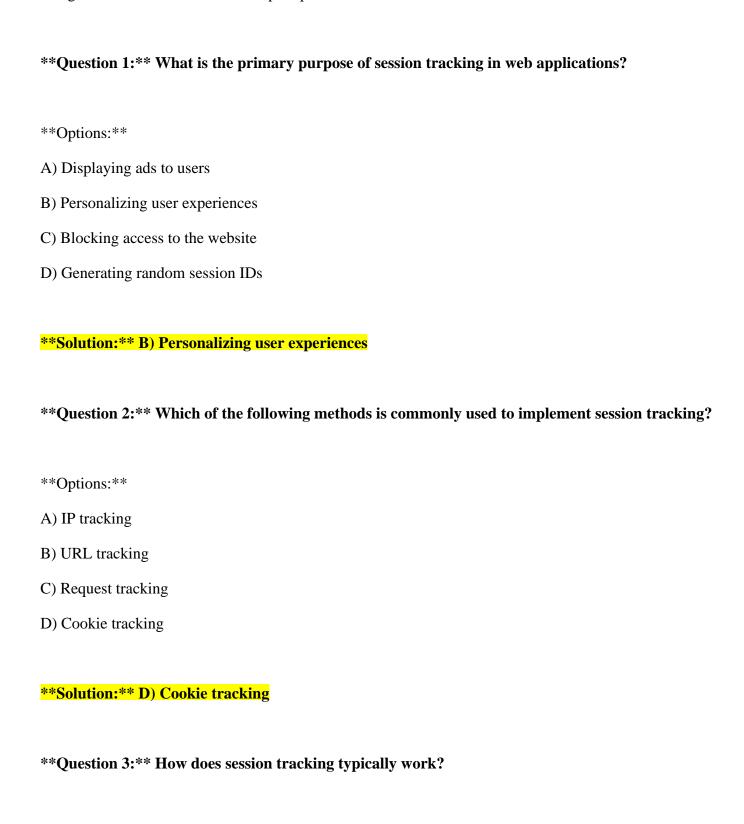
## 31 Lecture - CS506

## **Important Mcqs**

Certainly, here are 10 multiple-choice questions (MCQs) related to session tracking in web applications, along with their solutions and multiple options:



| **Options:**  |
|---|
| A) Using user login credentials   |
| B) Storing data in client-side cookies  |
| C) Utilizing server-side sessions   |
| D) Embedding data in HTML forms   |
|   |
| **Solution:** C) Utilizing server-side sessions   |
| **Question 4:** What is a session ID?   |
| **Options:**  |
| A) A unique identifier for the user's device  |
| B) A randomly generated URL for session tracking  |
| C) A token used to access restricted areas  |
| D) An identifier to recognize a user's session  |
|   |
| **Solution:** D) An identifier to recognize a user's session                                    |
| **Question 5:** Which of the following is a common way to track sessions without using cookies? |
| **Options:**  |
| A) IP address tracking  |
| B) URL rewriting  |
| C) Request headers tracking   |
| D) HTML form tracking   |
| **Solution:** B) URL rewriting  |
| **Question 6:** How is session tracking through cookies advantageous for users?                 |

| **Options:**  |
|---|
| A) It allows users to access restricted areas   |
| B) It eliminates the need for user authentication   |
| C) It provides a seamless and personalized experience   |
| D) It speeds up the website loading process   |
|   |
| **Solution:** C) It provides a seamless and personalized experience   |
| **Question 7:** What is the purpose of a session timeout?   |
| **Options:**  |
| A) To forcibly end a user's session   |
| B) To prevent unauthorized access   |
| C) To limit the number of sessions  |
| D) To reduce server load  |
| **Solution:** A) To forcibly end a user's session  **Question 8:** Which HTTP header field is used to store and transmit session IDs? |
| **Options:**  |
| A) `Session-ID`   |
| B) `Cookie-ID`  |
| C) `Session-Header`   |
| D) `Set-Cookie`   |
| **Solution:** D) `Set-Cookie`   |

| **Question 9:** In servlets, how can you access the session object?                         |
|---|
| **Options:**  |
| A) Using the `getSession()` method of `HttpSession` interface                               |
| B) Using the `getSession()` method of `HttpServletRequest` interface                        |
| C) Using the `getSession()` method of `HttpServletResponse` interface                       |
| D) Using the `getSession()` method of `ServletContext` interface                            |
|   |
| **Solution:** B) Using the `getSession()` method of `HttpServletRequest` interface          |
| **Question 10:** Which session tracking mechanism is most secure against user manipulation? |
| **Options:**  |
| A) IP tracking  |
| B) URL rewriting  |
| C) Hidden form fields   |
| D) Cookies with secure attributes   |
|   |
| **Solution:** D) Cookies with secure attributes   |
|   |
|   |
|   |