

**Free Questions for 312-96**

**Shared by Cox on 04-10-2024**

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# Question 1

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## Question Type: MultipleChoice

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Sam, an application security engineer working in INFRA INC., was conducting a secure code review on an application developed in Java

a. He found that the developer has used a piece of code as shown in the following screenshot. Identify the security mistakes that the developer has coded?



```
78
79  <%!public boolean validateUserName() {
80
81  String[] userInput =
82  new String[] { "<SCRIPT>", "SELECT", "UNION", "WHERE", </SCRIPT>, ">", "<" };
83
84  for (String item : userInput) {
85  if (uname.contains(item)) {
86    return false;
87    }
88  }
89  return true;
90  }%>
```

Design Preview

**Options:**

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- A- He is attempting to use client-side validation
- B- He is attempting to use whitelist input validation approach
- C- He is attempting to use regular expression for validation
- D- He is attempting to use blacklist input validation approach

**Answer:**

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D

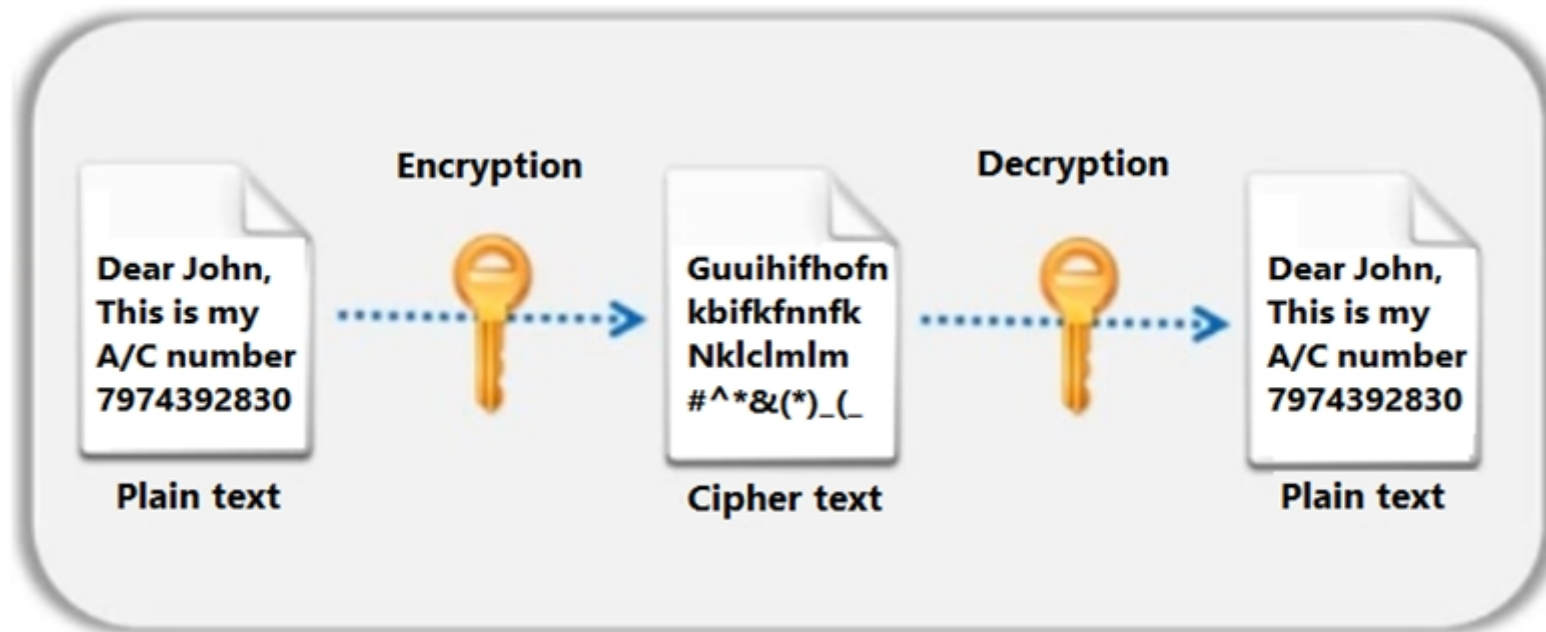
## Question 2

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**Question Type: MultipleChoice**

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Identify the type of encryption depicted in the following figure.



**Options:**

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- A- Asymmetric Encryption
- B- Digital Signature
- C- Symmetric Encryption
- D- Hashing

**Answer:**

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C

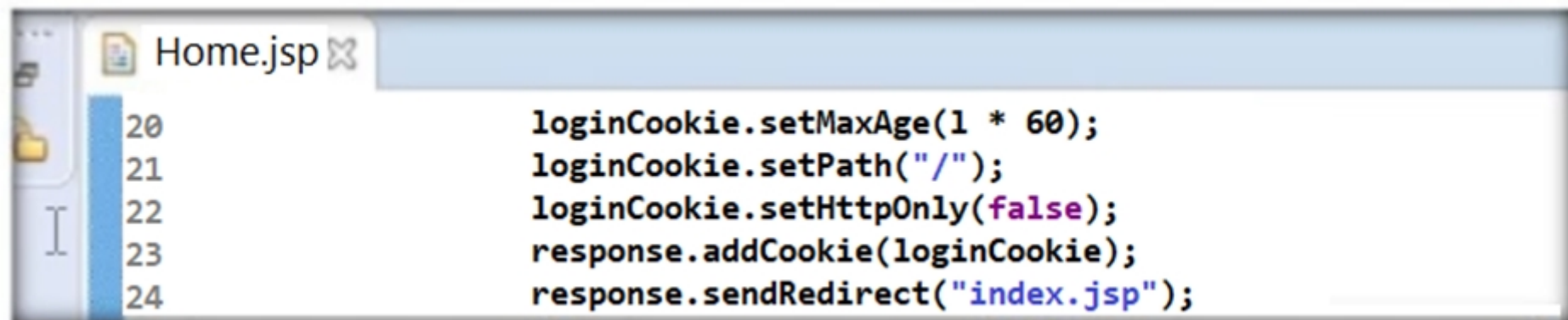
## Question 3

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**Question Type:** MultipleChoice

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Thomas is not skilled in secure coding. He neither underwent secure coding training nor is aware of the consequences of insecure coding. One day, he wrote code as shown in the following screenshot. He passed 'false' parameter to setHttpOnly() method that may result in the existence of a certain type of vulnerability. Identify the attack that could exploit the vulnerability in the above case.



```
20 loginCookie.setMaxAge(1 * 60);
21 loginCookie.setPath("/");
22 loginCookie.setHttpOnly(false);
23 response.addCookie(loginCookie);
24 response.sendRedirect("index.jsp");
```

**Options:**

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**A-** Denial-of-Service attack

- B-** Client-Side Scripts Attack
- C-** SQL Injection Attack
- D-** Directory Traversal Attack

**Answer:**

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B

## Question 4

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**Question Type:** MultipleChoice

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James is a Java developer working INFR INC. He has written Java code to open a file, read it line by line and display its content in the text editor. He wants to ensure that any unhandled exception raised by the code should automatically close the opened file stream.

Which of the following exception handling block should he use for the above purpose?

**Options:**

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- A-** Try-Catch-Finally block
- B-** Try-Catch block

**C-** Try-With-Resources block

**D-** Try-Catch-Resources block

**Answer:**

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C

## Question 5

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**Question Type:** MultipleChoice

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Which of the threat classification model is used to classify threats during threat modeling process?

**Options:**

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**A-** RED

**B-** STRIDE

**C-** DREAD

**D-** SMART

**Answer:**

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B

## Question 6

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**Question Type:** MultipleChoice

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Which of the following method will you use in place of `ex.printStackTrace()` method to avoid printing stack trace on error?

**Options:**

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**A-** `ex.StackTrace.getError();`

**B-** `ex.message();`

**C-** `ex.getMessage();`

**D-** `ex.getError();`

**Answer:**

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C



## Question 7

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### Question Type: MultipleChoice

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Ted is an application security engineer who ensures application security activities are being followed during the entire lifecycle of the project. One day, he was analyzing various interactions of users depicted in the use cases of the project under inception. Based on the use case in hand, he started depicting the scenarios where attacker could misuse the application. Can you identify the activity on which Ted is working?

#### Options:

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- A- Ted was depicting abuse cases
- B- Ted was depicting abstract use cases
- C- Ted was depicting lower-level use cases
- D- Ted was depicting security use cases

#### Answer:

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A

## Question 8

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**Question Type: MultipleChoice**

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Which of the risk assessment model is used to rate the threats-based risk to the application during threat modeling process?

**Options:**

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A- DREAD

B- SMART

C- STRIDE

D- RED

**Answer:**

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C

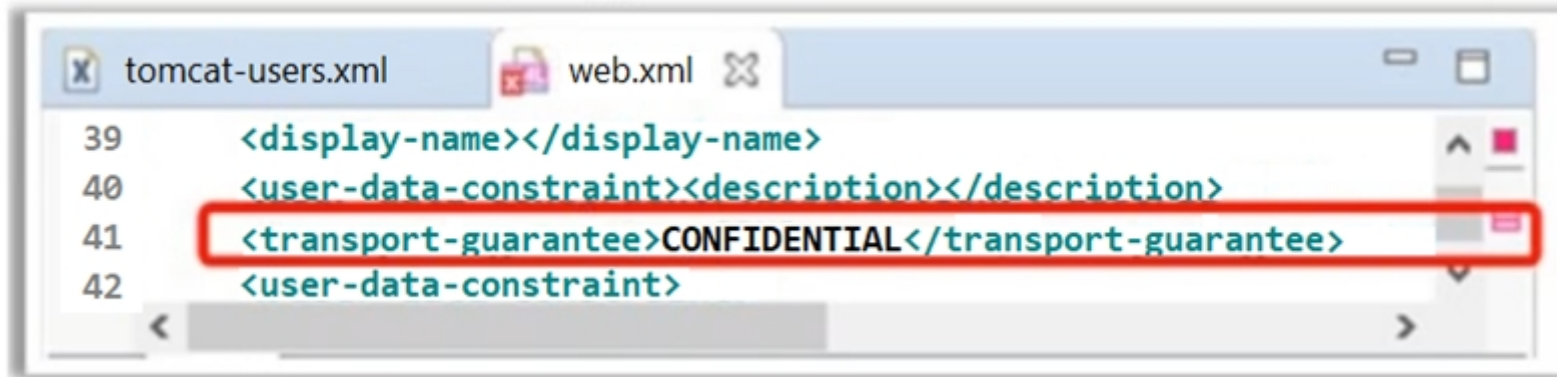
## Question 9

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**Question Type: MultipleChoice**

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Oliver, a Server Administrator (Tomcat), has set configuration in web.xml file as shown in the following screenshot. What is he trying to achieve?



```
39 <display-name></display-name>
40 <user-data-constraint><description></description>
41 <transport-guarantee>CONFIDENTIAL</transport-guarantee>
42 <user-data-constraint>
```

**Options:**

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- A- He wants to transfer the entire data over encrypted channel
- B- He wants to transfer only response parameter data over encrypted channel
- C- He wants to transfer only request parameter data over encrypted channel
- D- He wants to transfer only Session cookies over encrypted channel

**Answer:**

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A

## Question 10

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**Question Type: MultipleChoice**

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Which of the following Spring Security Framework configuration setting will ensure the protection from session fixation attacks by not allowing authenticated user to login again?

**Options:**

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- A- session-fixation-protection ='newSessionID'
- B- session-fixation-protection ='.'
- C- session-fixation-protection ='enabled'
- D- session-fixation-protection ='.'

**Answer:**

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B

## Question 11

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**Question Type: MultipleChoice**

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According to secure logging practices, programmers should ensure that logging processes are not disrupted by:

**Options:**

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- A- Catching incorrect exceptions
- B- Multiple catching of incorrect exceptions
- C- Re-throwing incorrect exceptions
- D- Throwing incorrect exceptions

**Answer:**

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D

## Question 12

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**Question Type:** MultipleChoice

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To enable the struts validator on an application, which configuration setting should be applied in the struts validator configuration file?

```
1: <action path="/download"
2: type="com.website.d2.action.DownloadAction"
3: name="download.Form"
4: scope="request" input=".download"
5: .....
6: </action>
```

### Options:

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- A- validate='true'
- B- IsNotvalidate='disabled'
- C- IsNotvalidate='false'
- D- validate='enabled'

### Answer:

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A

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