

312-92^{Q&As}

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QUESTION 1

What encryption algorithm is used by PERL crypt() function?

- A. Skipjack
- B. 3DES
- C. DES
- D. AES

Correct Answer: C

QUESTION 2

Neil is almost finished developing a Web-based inventorytracking application for a company he is working for under contract. Neil finds out that the company wants to pay him half of what they had agreed upon so he is very angry. Neil decides to insert the following code into his application.

What is Neil trying to create here?

```
#include
#include
int main(int argc, char *argv[])
{
char buffer[10];
if (argc
{
fprintf(stderr, "USAGE: %s
string\n", argv[0]);
return 1;
}
strcpy(buffer, argv[1]);
return 0;
}
```

- A. UML malformed string

- B. Format string bug
- C. Buffer underflow
- D. Buffer overflow

Correct Answer: D

QUESTION 3

Simon is going through some of Heather's code and notices an issue. What issue did Simon find in the following code?

```
void f4(void * arg, size_t len)
{
char *buff = new char[100];
C *ptr = new C;
memcpy(buff, arg, len);
ptr->vf();
return;
}
```

- A. Function pointer clobbering
- B. Null-termination
- C. Data pointer modification
- D. Virtual pointer smashing

Correct Answer: D

QUESTION 4

Yancey has just finished downloading the Valgrind suite to use in his application development. Yancey is most concerned about the possibility of memory-management issues in his programs. What tool included in Valgrind suite can Yancey use to detect memory-management related issues?

- A. Massif
- B. Cachegrind
- C. Memcheck
- D. MemoryGuard

Correct Answer: C

QUESTION 5

Lyle is writing some code in VB.NET and is implementing some build-in security. What type of .NET security is Lyle using in the following code?

```
public class Myclass1
Public Sub New()
End Sub
Public Sub MyMethods()
Dim Perm As New MyPermission()
Perm.Demand()
End Sub
Pub Sub YourMethod()
End Sub
End Class
```

- A. Imperative security
- B. Explicit security
- C. Implicit security
- D. Declarative security

Correct Answer: A

QUESTION 6

Mathew is working on a Fedora machine and is having issues with some shellcode he wrote that is producing errors. Mathew decides to download and use Ktrace to debug the shellcode to see where the errors are originating from.

Why will his plan not work?

- A. Ktrace cannot debug errors, it only notifies of successful calls
- B. Ktrace only works on Windows platforms
- C. Ktrace cannot debug shellcode
- D. Ktrace only works on *BSD platforms

Correct Answer: D

QUESTION 7

What type of problem or error will result from the following statement?

```
void f2b(void * arg, size_t len)
{
char buffer[100];
long val = ...;
long *ptr = ...;
extern void (*f)();
memcpy(buff, arg, len);
*ptr = val;
f();
return;
}
```

- A. Pointer subterfuge
- B. Heap smashing
- C. Virtual pointer smashing
- D. Sign error

Correct Answer: A

QUESTION 8

Travis is writing a website in PHP but is worried about its inherent vulnerability from session hijacking. What function could Travis use to protect against session hijacking in his PHP code?

- A. Renew_session_id
- B. PHP_id_renew
- C. Create_newsession_id
- D. Session_regenerate_id

Correct Answer: D

QUESTION 9

Wayne is a gaming software developer for a large video gaming company in Los Angeles. Wayne has just completed developing a new action/adventure game for the company that is to be released soon. To protect the company's copyright on the game, Wayne would like to incorporate a technology that will restrict the use of the digital files by controlling access, altering, sharing, copying, printing, and saving.

What technology does Wayne want to use?

- A. ARM
- B. WRM
- C. DRM
- D. Diffusion

Correct Answer: C

QUESTION 10

Julie wants to use some of the Security and Trust Services API's for a program she is writing that will work with mobile devices. Which SATSA security package should Julie use if she needs to support basic user-certificate management?

- A. javax.crypto.pki
- B. javax.microedition.crypto
- C. javax.microedition.pki
- D. javax.security.crypto

Correct Answer: D

QUESTION 11

Peter is writing a program that has a GUI front-end and uses a MS SQL database as a backend. Peter's application will repeatedly update and call upon specific tables in the database on a regular basis. Peter wants to make sure that his program always has the ability to update the database and that no other calls or updates can touch the database tables used at the same time.

How could Peter accomplish this in his application?

- A. Explicit lock
- B. SET TRANSACTION EXCLUSIVE
- C. SET TRANSACTION WRITE
- D. Implicit lock

Correct Answer: A

QUESTION 12

Steve is using the libcap library to create scripts for capturing and analyzing network traffic.

Steve has never used libcap before and is struggling with finding out the correct functions to use. Steve is trying to pick the default network interface in his script and does not know which function to use.

Which function would he use to correctly choose the default interface in the script?

- A. pcap_open_live
- B. pcap_int_default
- C. pcap_lookupdev
- D. pcap_use_int

Correct Answer: C

QUESTION 13

What is the new lightweight audit framework that is built into Red Hat Linux Enterprise?

- A. HelperReview
- B. Audit2
- C. SOCK review
- D. RedHat review

Correct Answer: B

QUESTION 14

David is an applications developer working for Dewer and Sons law firm in Los Angeles David just completed a course on writing secure code and was enlightened by all the intricacies of how code must be rewritten many times to ensure

its

security. David decides to go through all the applications he has written and change them to be more secure. David comes across the following snippet in one of his programs:

```
#include  
  
int main(int argc, char **argv)  
{  
    int number = 5;  
    printf(argv[1]);  
    putchar(`\n\`);  
    printf("number (%p) is equal to %d\n",  
    andvalue, value);  
}
```

What could David change, add, or delete to make this code more secure?

- A. Change `putchar(`\n\`)` to `putchar("%s", `'\n\`)`
- B. Change `printf(argv[1])` to `printf("%s", argv[1])`
- C. Change `printf(argv[1])` to `printf(constv [0])`
- D. Change `int number = 5` to `const number = ""`

Correct Answer: B

QUESTION 15

What type of error will result from the following statement?

```
int main(int argc, char* argv[])  
{  
    char i[7];  
    strncpy(i, "sdfusdofof", sizeof(i));  
}
```

- A. Unbounded string copy
- B. Null-termination
- C. String-termination

D. String truncation

Correct Answer: B

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