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Read the following text carefully and then answer the questions below.

Brief history of cybersecurity and hacking

Updated on: 04 October 2022

Nowadays, we're all very aware of the risks of cybercriminals and hackers. But the practice is actually much older than our naughtiest era, and even quite a bit older than the 1995 film Hackers, starring Angelina Jolie.

So who was the first hacker in history? Where did hacking originate? And what were the biggest and most infamous computer hacks of all time? We'll delve into the murky past of cyber criminality to bring you a brief history of hacking.

Where did the term "hacker" originate?

The word "hacking" has been used to describe "cutting in a rough and violent way, often without aiming exactly" since around 1200 B.C., and it didn't have any association with tech until midway through the 20th Century.

"Hacking" was first used in relation to using technical know-how back in 1955 at a meeting of the Technical Model Railroad Club. In the meeting minutes, it was used to describe how members modified the functions of their high-tech train sets.

Throughout the 1960s, the term became broader to encompass the growing legions of computing enthusiasts. And by 1975, one of the accepted definitions of a hacker by The Jargon File was, "A malicious meddler who tries to discover sensitive information by poking around. Hence password hacker, network hacker." This was the first time the word was on record as being associated with cybercrime.

Nowadays, the term "hacker" can be used to describe any skilled computer programmer, although it's usually synonymous with "security hacker." A security hacker uses technical knowledge of bugs or vulnerabilities to exploit weaknesses in computer systems to access data that they

otherwise wouldn't have permission to view. Security hacking is usually illegal and can result in hefty fines or even a prison sentence.

Who was the first hacker in history?

John Draper, also known as Captain Crunch, is often named as the first ever hacker. And rather than having lots of high-tech hacking tools at his disposal, he managed to do it all with a toy whistle from a cereal packet. Here's how:

Back in the early 1970s, the largest computer network accessible to the general public was the telephone system. And at the time, telephones were managed by an automated system that used specific analogue frequencies to place calls. Draper managed to exploit this using a toy whistle that came free in boxes of Cap'n Crunch cereal (hence the nickname). He would use this to make free long distance and international calls. This technique was known as "Phreaking".

The first internet hacker

One of the first internet hackers, and certainly the first to gain mainstream media attention, was Robert Morris back in 1989. His was the first "Denial of service" attack in history and it was caused by a worm Morris had developed at Cornell University the year before.

According to Morris, he didn't intend to cause any harm, but rather to highlight security flaws. But unfortunately, due to a fault in the code, the worm replicated excessively, causing extensive damage that lasted for days.

What was the biggest hack in history?

Data breaches and hacks happen every day. In fact, these occurrences are so mainstream now, it takes something pretty huge to make headlines. And when I say huge, I'm talking about millions of accounts being hacked at once.

Here are the three biggest hacks of all time:

1. Yahoo!

Total accounts impacted: 3 billion

When: 2013

Arguably the biggest hack in history, Yahoo's epic data breach happened back in 2013, although Yahoo didn't admit the extent of the problem until 2016. The names, dates of birth, email addresses, passwords, and security questions and answers of all 3 billion users were compromised. This included users of Tumblr and Flickr.

2. First American

Total accounts impacted: 900 million

When: 2019

In May 2019, First American Financial Corp., an American real estate and mortgage insurer, revealed that it left a whopping 900 million sensitive customer files exposed.

Although it's not clear whether any of these files were hacked, there was a lot of very sensitive data left vulnerable to cyberattacks, including Social Security numbers and bank

account information.

3. Marriott

Total accounts impacted: 500 million

When: 2014-2018

In November 2018, Marriott International announced that someone had gained "unauthorised access" to its guest reservations systems, meaning that 500 million guests could have had their accounts hacked. These accounts had incredibly sensitive data, such as names, passport numbers and credit card details.

And as if this wasn't bad enough, the breach wasn't discovered for nearly five years, meaning whoever had "unauthorised access" remained in the system for a very long time.

Source: https://cybernews.com/security/brief-history-of-cybersecurity-and-hacking/

PART 1

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Throughout the 1960s, the term became broader to encompass the growing legions of computing enthusiasts. And **by** 1975, one of the accepted definitions of a hacker by The Jargon File was, "A **malicious** meddler who tries to discover sensitive information by poking around. Hence password hacker, network hacker." This was the first time the word was on record as being associated with cybercrime.

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Pregunta **1**

Correcta

Se puntúa 1,00 sobre 1,00

Choose the word or words in the first two paragraphs used to express comparison.

Seleccione una:

- a. Older ✔
- b. Quite
- c. Much

Your answer is correct.

La respuesta correcta es: Older

Pregunta 2

Correcta

Se puntúa 1,00 sobre 1,00

Choose the superlative word or words in these two paragraphs.

Seleccione una o más de una:

- ☑ a. Biggest ✔
- ☑ b. Most ✔
- ☑ c. Infamous ✖

Your answer is correct.

Las respuestas correctas son: Biggest, Most

Pregunta 3

Correcta

Se puntúa 1,00 sobre 1,00

Which of the wh-words is used to ask for the place of origin?

Seleccione una:

- ○ a. Who
- ○ b. What
- ● c. Where ✔

Your answer is correct.

La respuesta correcta es: Where

Pregunta 4

Correcta

Se puntúa 1,00 sobre 1,00

What's the tense of the words in red?

Seleccione una:

- ○ a. Simple past
- ● b. Present perfect ✔
- ○ c. Past perfect

Your answer is correct.

La respuesta correcta es: Present perfect

Pregunta 5

Correcta

Se puntúa 1,00 sobre 1,00

What's this tense used for?

Seleccione una:

- ○ a. An action which took place in the past.

- ○ b. An action which only takes place in the present.

- ● c. An action which started in the past and still has effect in the present. ✔

Your answer is correct.

La respuesta correcta es: An action which started in the past and still has effect in the present.

Pregunta 6

Correcta

Se puntúa 1,00 sobre 1,00

Is this verb in the active or passive voice?

Seleccione una:

- ● a. Passive ✔

- ○ b. Active

Your answer is correct.

La respuesta correcta es: Passive

What other verbs in these paragraphs are in the passive voice?

Seleccione una o más de una:

☑ a. Was being associated ✔

☑ b. Can be used ✔

☐ c. Can result

☐ d. Wouldn't have

Your answer is correct.

Las respuestas correctas son: Can be used, Was being associated

What part of speech are the words in blue?

Respuesta: "violent": adjective, "by": preposition, "technical": adjective, "hefty": adjective ✖

La respuesta correcta es: Adjective

The sentence: "Hacking" was first used in relation to using technical know-how back in 1955 at a meeting of the Technical Model Railroad Club" is [in the passive voice. ⇕] ✔

Your answer is correct.

La respuesta correcta es:

The sentence: "Hacking" was first used in relation to using technical know-how back in 1955 at a meeting of the Technical Model Railroad Club" is [in the passive voice.]

Pregunta 10

Correcta

Se puntúa 1,00 sobre 1,00

Who performed the action in that sentence?

Seleccione una:

○ a. Hackers.

● b. People who attended The Technical Model Railroad Club. ✔

○ c. All railroad workers in the 1950s.

Your answer is correct.

La respuesta correcta es: People who attended The Technical Model Railroad Club.

Pregunta 11

Incorrecta

Se puntúa 0,00 sobre 1,00

"Hacking" in this sentence functions as a gerund as subject.

Seleccione una:

○ Verdadero

● Falso ✘

La respuesta correcta es 'Verdadero'

What is meant by "Throughout the 1960s..."?

Seleccione una:

○ a.   Between 1960 to 1969. ✔

○ b.   In 1960.

○ c.   After 1970.

Your answer is correct.

La respuesta correcta es: Between 1960 to 1969.

What part of speech is "Throughout"?

Seleccione una:

○ a.   Adverb.

○ b.   Preposition. ✔

○ c.   Conjunction.

Your answer is correct.

La respuesta correcta es: Preposition.

Pregunta 14

Correcta

Se puntúa 1,00 sobre 1,00

What does "by 1975" mean?

Seleccione una:

○ a. Before. ✔

○ b. After.

○ c. In.

Your answer is correct.

La respuesta correcta es: Before.

Pregunta 15

Correcta

Se puntúa 1,00 sobre 1,00

Read carefully the phrase: "And by 1975, one of the accepted definitions of a hacker by <u>The Jargon File</u> was, "A malicious meddler who tries to discover sensitive information by poking around. Hence password hacker, network hacker."

Who does "malicious meddler" refer to?

Seleccione una:

○ a. The Jargon File.

◉ b. A hacker. ✔

○ c. Programmers.

Your answer is correct.

La respuesta correcta es: A hacker.

Pregunta 16

Incorrecta

Se puntúa 0,00 sobre 1,00

The JargonFile invented this definition.

Seleccione una:

○ **Verdadero** ✖

○ **Falso**

La respuesta correcta es 'Falso'

Pregunta 17

Correcta

Se puntúa 1,00 sobre 1,00

Was it the only definition taken into account at that time? [No, it wasn't ↕] ✔

Your answer is correct.

La respuesta correcta es:

Was it the only definition taken into account at that time? [No, it wasn't]

Pregunta 18

Correcta

Se puntúa 1,00 sobre 1,00

Which word in the last paragraph is used to describe when the action is performed?

Respuesta: [Nowadays] ✔

La respuesta correcta es: Nowadays.

Pregunta 19

Correcta

Se puntúa 1,00 sobre 1,00

The tense in the phrase "A security hacker uses technical knowledge of bugs…" is

Seleccione una:

- ○ a. Simple present, third person plural.
- ● b. Simple present, third person singular. ✔
- ○ c. Present perfect, third person plural.
- ○ d. Present perfect, third person singular.

Your answer is correct.

La respuesta correcta es: Simple present, third person singular.

Pregunta 20

Correcta

Se puntúa 1,00 sobre 1,00

How would you paraphrase this sentence? "Security hacking is usually illegal and can result in hefty fines or even a prison sentence."

Seleccione una:

- ○ a. Security hacking is never prohibited and cannot be punished with penalties and even time in jail.
- ○ b. Security hacking is always prohibited and may be punished with light penalties but never jail.
- ● c. Security hacking is typically prohibited and may be punished with penalties or time in jail. ✔

Your answer is correct.

La respuesta correcta es: Security hacking is typically prohibited and may be punished with penalties or time in jail.

PART 2

Who was the first hacker in history?

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In November 2018, Marriott International announced that someone had gained "unauthorised access" to its guest reservations systems, meaning that 500 million guests could have had their accounts hacked. These accounts had incredibly sensitive data, such as names, passport numbers and credit card details.

And as if this wasn't bad enough, the breach wasn't discovered for nearly five years, meaning whoever had "unauthorised access" remained in the system for a very long time.

How would you paraphrase this sentence? "rather than having lots of high-tech hacking tools at his disposal, he managed to do it all with a toy whistle from a cereal packet."

Seleccione una:

- a. He could do all of this without any sophisticated hacking tools, instead just a toy whistle from a cereal ✔
  packet.

- b. He accomplished all of this with the help of sophisticated hacking tools: a toy whistle from a cereal packet.

- c. He could not do all of this with many sophisticated hacking tools he found in cereal packets.

Your answer is correct.

La respuesta correcta es: He could do all of this without any sophisticated hacking tools, instead just a toy whistle from a cereal packet.

What does "hence" mean in "(hence the nickname)"?

Seleccione una:

- a. In consequence ✔
- b. In contrast
- c. However
- d. Moreover

Your answer is correct.

La respuesta correcta es: In consequence

Pregunta 23

Correcta

Se puntúa 1,00 sobre 1,00

"Phreaking" in this context means:

Seleccione una:

- a. Fraudulent manipulation of telephone signaling in order to make free phone calls. ✔
- b. Exploiting toy whistles to tap telephones.
- c. Legal specific analogue frequencies to place international calls.

Your answer is correct.

La respuesta correcta es: Fraudulent manipulation of telephone signaling in order to make free phone calls.

Pregunta 24

Correcta

Se puntúa 1,00 sobre 1,00

What tense is the phrase in red?

Seleccione una:

- a. Past Simple.
- b. Past continuous.
- c. Present perfect.
- d. Past Perfect. ✔

Your answer is correct.

La respuesta correcta es: Past Perfect.

Pregunta 25

Correcta

Se puntúa 1,00 sobre 1,00

What sentence is correct, according to the actions described in the first paragraph of **The first Internet hacker?**

Seleccione una:

- a. By 1989 Robert Morris had caused several "Denial of service" attacks.
- b. Robert Morris´ attack did not gain much mainstream media attention.
- c. In 1988 Robert Morris developed a worm at Cornell University. ✔

Your answer is correct.

La respuesta correcta es: In 1988 Robert Morris developed a worm at Cornell University.

Pregunta 26

Correcta

Se puntúa 1,00 sobre 1,00

It was Morris' intention to create lasting extensive damage by drawing attention to the existing security flaws.

Seleccione una:

○ Verdadero

◉ Falso ✔

La respuesta correcta es 'Falso'

Pregunta 27

Correcta

Se puntúa 1,00 sobre 1,00

Unless millions of accounts are affected, the current attacks are not publicly known.

Seleccione una:

◉ Verdadero ✔

○ Falso

La respuesta correcta es 'Verdadero'

What was the estimated impact of Yahoo´s attack?

Seleccione una:

- ○ a. Thirteen million.
- ◉ b. Three thousand million. ✔
- ○ c. Three hundred million.
- ○ d. Thirty millions.

Your answer is correct.

La respuesta correcta es: Three thousand million.

What does "whopping" mean?

Seleccione una:

- ◉ a. Massive. ✔
- ○ b. Desperate.
- ○ c. Growing.

Your answer is correct.

La respuesta correcta es: Massive.

How would you paraphrase this line? "Although it's not clear whether any of these files were hacked.

" Even though it's unclear if any of these files were compromised, ⬍ | ✔ "

Your answer is correct.

La respuesta correcta es:

How would you paraphrase this line? "Although it's not clear whether any of these files were hacked.

"[Even though it's unclear if any of these files were compromised,]"

In what tense and voice is this phrase "someone had gained "unauthorised access" to its guest reservations systems"?

Seleccione una:

- a. Past Perfect, passive voice.
- b. Past Simple, passive voice.
- c. Present perfect, passive voice.
- d. Present perfect, active voice.
- e. Past perfect, active voice. ✔

Your answer is correct.

La respuesta correcta es: Past perfect, active voice.

What does the word in purple indicate?

Seleccione una:

○ a. Modal verb of possibility ✔

○ b. Modal verb of necessity

○ c. Modal verb of permission

○ d. Modal verb of prohibition

Your answer is correct.

La respuesta correcta es: Modal verb of possibility