

## TRABAJO PRÁCTICO 3 - INGLÉS I

## Copycat coders create 'vulnerable' apps \_ 7 October 2019

- 1 Research suggests that lazy developers who copy solutions to tricky programming problems are creating apps that are vulnerable to attack. A team of computer scientists looked at more than 72,000 chunks of code found on the Stack Overflow website, a site which is popular with developers seeking advice on the best way to fix broken code.
- 2 Researchers found that many of the most copied snippets lacked basic checks which would stop common attacks. The study shows that the website offers dangerous code chunks with obsolete functions; in other words, if a programmer used these codes, the resulting application would do little to check user responses and it wouldn't be safe against attempts to break the app.
- 3 The researchers also trawled through the Github website, a site for developers to upload and share the code behind their apps and programmes. When they took a deeper look at those codes, they found that insecure code blocks turned up in more than 2,800 of the projects. The research team, involving experts at Canadian and Iranian universities, focused on the C++ programming language because it is very popular, particularly for embedded, resource-constrained programmes and large, distributed systems. They contend that vulnerabilities in such systems are likely to have a significant impact.
- 4 The team reached to the creators of the projects that were using the problematic code chunks, and informed them that they may have introduced security risks into their apps and programmes, but only 13% of the developers contacted said that they had fixed the code, and a similar number declined to fix the bugs. Some 40% said that the code was safe since users could not change it once an app was running.
- 5 "People who are using Stack Overflow shouldn't trust it fully," said Prof Ashkan Sami, a computer scientist at Shiraz University in Iran who co-wrote the study. "It's better for programmers to do it the hard way and learn secure coding." Prof Sami explained that the team had developed an extension for the Chrome browser that checks when code is copied from Stack Overflow and lets coders know if it is poorly written or insecure.
- 6 Prof Sami also adds that what they tried to show is that using Stack Overflow without reviewing it carefully can lead to potential vulnerabilities inside applications. The research echoes an academic paper from 2017 that found 1,161 insecure code snippets posted on Stack Overflow had been copied and pasted into 1.3m Android applications available on Google Play.

Texto Extraído de: <https://www.bbc.com/news/technology-49960387> y [https://www.theregister.com/2019/10/04/stack\\_overflow\\_github/](https://www.theregister.com/2019/10/04/stack_overflow_github/)

**Actividades:** Señalar N° de Párrafo y N° de Línea en cada actividad y resaltar en el texto.

1. Preposiciones: Extraer seis (6) frases preposicionales con diferentes preposiciones.

Frase preposicional	Equivalencia/Traducción al español	Párrafo-Línea

2. Sinónimos. Encontrar en el texto PALABRAS SIMILARES a las detalladas en la tabla a continuación.

		Párrafo-Línea
displays		2 - 2
group		3 - 3
implanted		3 - 5
thoroughly		6 - 1

3. Antónimos. Encontrar en el texto PALABRAS DIFERENTES a las detalladas en la tabla a continuación.

		Párrafo-Línea
unknown		1 - 3
safe		2 - 2
worse		5 - 2
inaccessible		6 - 4

4. Afijos (Prefijos y Sufijos). Encontrar en el texto PALABRAS DERIVADAS de las detalladas en la tabla a continuación.

Palabras Base / Raíz	Palabras Derivadas	Párrafo-Línea
search		
danger		
embed		
vulnerable		
problem		
write		
extend		
secure		
view		
academy		

5. Cláusulas: Extraer siete (7) cláusulas y completar el cuadro.

Tipo de cláusula	Ejemplo	Clasificación (si corresponde)	Párrafo-Línea
Condicional			
Condicional			
Relativa			
Relativa			

6. Conectores. Extraer dos conectores diferentes e indicar su relación lógica.


7. Referentes. Leer en el texto y reconocer a qué/quién hace REFERENCIA el ítem lexical subrayado.