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**CYB101 Prework (🔗** [**Instructions Page**](https://courses.codepath.org/snippets/cyb101/prework)**)**

👤 Student Name: Alexander Barrantes Herrera

✉️ Student Email: abarrantesh@yahoo.com

For this prework, you’re going to be challenged to explore the giant world of cybersecurity. Don’t worry, there are no “right answers” to these questions – it’s just to get you thinking! Use your search engines and explore!

**Exploratory Questions (Required)**

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| **❓ Question #1:** Pick a **🔗**[famous historical hack](https://en.wikipedia.org/wiki/List_of_security_hacking_incidents). What happened and why? (100+ words) |
| 1/ Kevin Mitnick  Kevin Mitnick, a crucial figure in the US attacks, started his business when he was a teenager. In 1981, he was accused of stealing computer manuals from Pacific Bell. In 1982 he attacked the North American Defense Command (NORAD), which in 1983 inspired the movie "War Games." In 1989, he attacked the Digital Equipment Corporation (DEC) network and made copies of its software. Since DEC was a prominent computer manufacturer at the time, that act put Mitnick in the crosshairs. Subsequently, he was arrested, convicted and sent to prison. During his probation, he hacked into Pacific Bell's voice mail systems.  Throughout his hacking career, Mitnick did not exploit the access and data he obtained. Although it is widely believed that he eventually gained full control of Pacific Bell's network, Mitnik was not out to profit from the results, but rather to show that it could be done. He was issued a warrant for his arrest in the Pacific Bell incident, but he fled and went into hiding for more than two years. When he was caught, he went to jail on various charges of wire fraud and computer fraud. Eventually, Mitnick became an ethical hacker, but according to Wired, in 2014, he launched "Mitnick's Absolute Zero Day Exploit Exchange," which sells unpatched critical software exploits to the highest bidder. |

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| **❓ Question #2:** If you had a time machine, and could go back and talk to the security team for the hack in Question #1, what advice would you give them on preventing the hack? (100+ words) |
| Think carefully about the effects and impacts on society and the future that lies ahead, since that will affect you strongly. |

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| **❓ Question #3:** You’ve been tasked with inventing the EASIEST to hack possible device – how would you do it? (What OS would you run, what features would it have, etc.) (100+ words) |
| I think the easiest thing to hack is done without keys, without barrier blocks, with interface problems and little cookie cleanup. |

Nice job, that’s everything for the prework!

**Submission Checklist**

**👉***Check off each of the features you have completed.* ***You will only be graded on the features you check off.***

**Exploratory Questions**

* Question #1 answered above (100+ words)
* Question #2 answered above (100+ words)
* Question #3 answered above (100+ words)

**Submit your work!**

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**Grader Comments**

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| *Once your project has been assessed, our graders will leave feedback for you in this space. Please do not delete.* **Grading Rubric**  |  |  |  | | --- | --- | --- | | Exploratory Questions | Total Received | Total Possible | | Question #1 answered above |  | 4 | | Question #2 answered above |  | 4 | | Question #3 answered above |  | 4 | | **Total Points** |  | **12** |   **Grader Feedback** |