

## **Завдання з дисципліни**

**Іноземна мова за професійним спрямуванням (англійська)**

**для практичних занять**

**для студентів групи БКД-11-8/1, БКД-11-8/2**

*на період з 11 травня до 25 травня 2020 р.*

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### **Text 4. WHY CYBERSECURITY IS MORE IMPORTANT THAN EVER**

#### **Exercise1. Read the article:**

Cyber security is important – now more than ever. It is more apparent than ever that technology is gradually taking over every facet of our lives. Whether we are at home or travelling technology has some sort of involvement in our daily routine. It would not stretch to say that we are becoming increasingly dependent on technology for better or worse. There is not a person in the world that doesn't interact with it in some way. In that vein, we are seeing a proliferation of internet access that rivals the spread of the automobile and vaccines.

This is to say that the internet is becoming ubiquitous. We all have some part of our lives online whether we like it or not. As an immediate result, our security and privacy are constantly under fire. It may be foreign actors who are trolling websites for information or susceptible individuals. It may be people we know who want some sort of leverage or access to personal information. What is clear is that there is an obvious risk in simply living that was not there before. For some, this seems like an issue that can never be solved, and, in some ways, they are correct. If our lives are split between physical reality and our digital existence, the threat of hackers or breaching will always be present. However, this does not mean that we are somehow at a loss or without a solution. As a matter of fact, we can defend ourselves mightily with a little bit of

knowledge and willpower. If we can engage in some cyber security practices then we can greatly reduce the chance of an attack or, at the very least, mitigate the damage of a breached system. In this article, we are going to discuss why cybersecurity matters today and what you can make sure that uninvited guests do not invade your life.

Technology today has more impact than almost any other industry. Truly, all industries are tech focused in that there are major components that rely on technology in some way or another. This is to say that manufacturing and medical are both highly dependent on technology along with almost every industry on the planet. It is, in no uncertain terms, the lifeblood of modern business and a major area of study for today's youth. As a matter of hope, we can only watch and wait to see how the generations will integrate technology into their lives but we know that it is a crucial part of all lives. In fact, it has become critical, that is why we must secure it to the best of our abilities. Just think about your own exposure to the internet daily. Most employed people depend on the internet in their work every day. Most unemployed depend on the internet to find work or jobs in their preferred area. Every business owner must use the internet to stay competitive and to keep influence in his prior sphere of business. The productivity gained by using technology cannot be ignored and if this is the case then our exposure will only grow. We go online over a billion times a day and that data at any time can be stolen and used against us for nefarious endeavors.

As the access-enabled devices continue to spread and access grows the problem worsens due to the age of the technology or the practices used by individual users. There is nothing more dangerous, in the modern era, than having your data stolen. It is akin to being turned upside down, as you struggle to regain your gravity.

Luckily, there are methods that can be employed to secure your data and prevent a total upheaval of your life. Firstly, there is the age-old advice of good password policy that is not used very widely despite its effectiveness against hackers. To understand further its effectiveness, let us examine how hackers usually operate and why they are successful. Aside from using ransomware, hackers typically prefer to use something called social exploits to gain the information or the access they desire. This, in effect, is the process of

calling people on the phone and lying about whom they are to get information. They will also, occasionally, pose as other people to gain physical access to sensitive locations in a business e.g., server rooms, IT desks, etc. There is not much that can be done about social hacking except having a keen eye and discerning ear, but aside from that a strong password can deflect many other attacks.

Strong passwords can defend against brute force attacks and spoofing, contextually of course, as the effort required to break them is often incredible and beyond the scope of most hackers. To be clear, a strong password uses mixed cases and a combination of numbers and letters along with special characters. They should never be shorter than 8 characters and should always be kept in secret with either a password protector or physical safe storage location.

Another great strategy to defend yourself with is the use of proxies. Now proxies can do many good, but are also widely used by hackers, so in effect, you are fighting fire with fire. Proxy services, such as VPNBook, use private network filtering to protect your identity and location while you browse the internet. These can be great against hackers and those who want to steal your data for marketing or political purposes. It is highly recommended to use a proxy at home and, if one is not already implemented, make sure that your company uses a proxy as well so that business records are not compromised either. Ultimately, cybersecurity is important today because the internet is now a channel into your private life that almost anyone can access. This fact, mixed with broad proliferation of internet-based technology, leads us to importance of cybersecurity. As long as you are willing to implement strong password and use a proxy service then you can defend yourself against one of the greatest threats we face as a unified people.

(See <https://www.computer.org/web/computingnow/security/content?g=53319&type=article&urlTitle=why-cybersecurity-is-more-important-than-ever> more at:

## **Exercise 2. Read the text and answer the questions:**

1. Why is our security permanently under threat?

2. Are people aware of methods to secure their personal data?
3. What can reduce cyber attacks?
4. Proxy services use private network filtering to prevent from unexpected access, don't they?
5. How can you defend your personal data in the Internet from hackers?

**Exercise 3. Read sentences and write if they are TRUE (T) or FALSE (F).**

**If they are FALSE – correct them.**

1. Nowadays a lot of working people are dependent on the internet.
2. We can protect ourselves if we follow some simple rules.
3. Even sophisticated passwords cannot defend your computer from hackers' attacks.
4. In fact, hackers prefer to use social exploits to get the information they want.
5. It is better to use a proxy only at home.

**Exercise 4. Find a word in the text that means the same as the words and phrases below:**

- 1) existing or being everywhere, especially at the same time, omnipresent (adj.);
- 2) to make something less harmful, unpleasant, or bad (v.);
- 3) evil, morally bad or criminal (adj.);
- 4) a great change, especially causing or involving much difficulty, activity, or trouble (n.);
- 5) finally, after series of things have happened (adv.).

**Exercise 5. Put the sentences into correct order to present the article.**

1. The threat of hackers is always present.
2. The use of proxies can protect your identity.
3. Every business owner must use the internet to stay competitive.
4. Luckily, there are methods that can be employed to secure your data.
5. Cyber security is a crucial theme nowadays.

6. Passwords should never be shorter than 8 symbols and should always be kept in secret using either a password protector or physical safe storage location.
7. However, as long as you follow these rules, you can defend yourself against hackers.
8. We all spend some part of our lives online whether we like it or not.

**Exercise 6. Retell the article using the following key-words:**



