**CTF Challenge: Cyber Security Awareness**

****

**Welcome to the World of Cybersecurity!**



Cybersecurity is all about protecting our digital world – the information, devices, and systems we rely on every day. In a world increasingly connected to the internet, it's become more crucial than ever to understand and implement cybersecurity practices.

**Why is Cybersecurity Important?**

Imagine your computer as a fortress. Inside, you store valuable things like personal information, financial data, and important documents. Cybersecurity is like the walls, alarms, and security guards protecting your digital fortress. Without them, hackers – people who try to gain unauthorized access to computer systems – could steal your information, disrupt your devices, or even cause damage.

**What Does Cybersecurity Protect?**

****

Cybersecurity protects a wide range of things, including:

* **Personal Information:** This includes your name, address, social security number, and online accounts.
* **Financial Data:** Your bank accounts, credit card information, and any online financial transactions.
* **Devices:** Your computers, smartphones, tablets, and any other internet-connected devices.
* **Networks:** The systems that connect our devices and allow us to share information online.
* **Businesses and Organizations:** Their data, infrastructure, and online services.

**Getting Started with Cybersecurity**

The good news is that there are many ways to improve your cybersecurity awareness and practices. Here are a few steps you can take:

* **Learn about common cyber threats: Phishing scams, malware, and password breaches are just a few examples.**
* **Practice strong passwords and be cautious about what information you share online.**
* **Keep your software and devices up to date with the latest security patches.**
* **Be mindful of what you click on and download from the internet.**
* **Use strong anti-virus and anti-malware software.**

# **Capture the Flag (CTF) Challenges**

Flag 1. What type of cyberattack attempts to trick users into revealing personal information through deceptive emails or websites?

Answer: Phishing

Flag Captured

Flag 2. What is the practice of keeping software and devices updated with the latest security patches to fix vulnerabilities?

Answer: Patching

Flag Captured

Flag 3. What is the process of encrypting information to make it unreadable without a decryption key?

Answer: Encryption

Flag Captured

Flag 4. What is the illegal practice of gaining unauthorized access to a computer system or network?

Answer: Hacking

Flag Captured