🔐 Fiza's Cyber Security Cheat Sheet (Week 1)

Q1. What is Cybersecurity?
Cybersecurity is the protection of computer systems and networks from information disclosure, theft, or damage.

Q2. CIA Triad

- **Confidentiality** – Keeping data private

- **Integrity** – Ensuring data is not altered

- **Availability** – Ensuring data is accessible

Q3. Common Threats

- **Phishing** – Tricking users into giving info

- **Malware** – Malicious software like viruses

- **Ransomware** – Locks data until ransom is paid

Q4. Types of Hackers

- **White Hat** – Ethical hacker

- **Black Hat** – Criminal hacker

- **Gray Hat** – In-between

Q5. Security Concepts

- **Firewall** – Filters network traffic

- **Encryption** – Secures data using codes

- **2FA** – Two-Factor Authentication