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**COMPUTER SUBJECT:** BASIC NETWORK CONCEPTS

**TYPE:** GROUP WORK EXERCISE/DISCUSSION

**IDENTIFICATION:** HOMEWORK1/MC

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**LEVEL:** EASY

**DURATION:** 1-3 hours

**SIZE:** 100 lines!!

**OBJECTIVE:** Introduction to network basic

**REQUIREMENTS:** **Computer Security**

**COMMANDS:**

## **CSF Chapter 1 Assignments**

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The following assignments must be solved in groups (4-5 persons) and followed up by a short presentation in the class later.

### Assignment 0

Find 10 security threats/attacks.

State the: type( direct/indirect, impact (high,medium,low), likelihood(high, medium, low)

### Assignment 1

Visit <http://www.digitalattackmap.com/>

Pick out 1-2 interesting periods of activity and describe the following:

- The date (period)
- A major botnet's activity and list:
  - Source and Destination
  - How long the attack has been occurring
  - How has the attack been pulled off?

At home watch the video by Stephen Vries at

<https://www.owasp.org>

### Assignment 2

Find at least two major companies/organizations/NGO's that have been attacked lately.

Explain what happened and how the company handled the situation.

### Assignment 3

Look at the following keywords and state a short answer:

1. What is confidentiality?
2. What is integrity?
3. What is authentication?
4. What is availability?
5. What is a Denial of Service (DoS) attack?
6. What is DDos?
7. What is a virus?
8. What is a Trojan horse?
9. What is a worm?
10. What is a botnet?
11. What is a zero day?
12. What is an n-day?
13. Is a bug the same as vulnerability?
14. What is a weakness?
15. Name 4 ways an attacker can act anonymously online