Assignment#2

Total Grade: 7% (100 Points)
Part A Due Feb 9 and Part B is due Feb 16

Part A: Presentation (Cyberthreats) Grade: 3 %

Due Feb 09

Choose a topic from the list of available topics and present your findings to the class.

Choose topic:

Please choose your topic from the list of topics provided at this link:

https://docs.google.com/spreadsheets/d/1k9tUfgoDsS65Tyl57MRbR7N0AVi9h3vw6YXQKf2sjCk/edit?usp=sharing

Length: 5 minutes (2.5 minutes each student)

Format:

- Your presentation MUST be interactive.
- Summarize key points
- Use visual aids (PowerPoint, screenshots, diagrams as needed etc.)
- Effectively use the allotted time
- Your presentation should not be less than 4 minutes (total time)

Slide Content (Optional to use)

Slide 1: Title and Introduction

- Title: [Name of the Cyber Threat]

- Introduction: Briefly introduce your team and the topic you will be discussing

Slide 2: Agenda

- Outline the structure of your presentation:

  - What is [Name of the Cyber Threat]?

  - How does it work?

  - Real-world examples and impact.

  - Detection and prevention.

Slide 3: What is [Name of the Cyber Threat]?

- Define and explain the chosen cyber threat in simple terms.

- Highlight its significance and relevance in today's digital landscape.

- Share relevant statistics or trends related to the cyber threat, if available.

Slide 4: How Does it Work?

- Explain the technical aspects of how the cyber threat operates.

- Use diagrams or visuals if necessary to illustrate the attack process.

Slide 5: Real-World Examples and Impact

- Provide examples of notable incidents or attacks involving the chosen threat.

- Discuss the impact on organizations, individuals, or the broader cybersecurity landscape.

Slide 6: Detection and Prevention

- Outline strategies and technologies used to detect and mitigate the threat.

- Offer practical advice on how individuals and organizations can protect themselves.

Slide 7: Best Practices

- Summarize key takeaways and best practices for defending against the threat.

Slide 8: Conclusion

- Recap the main points of your presentation.

- Thank the audience for their attention.

- List the sources and references you used for your presentation.

Slide 9: Add 4 MCQs at the end of the presentation with their answers.

Part B Due Feb 16- Grade: 4 %, Each student must complete Part B individually. Question 1 is 60 Points and Question2 is 40 points of part B.

Question 1: After all presentations have been delivered, review and summarize each presentation (except your own) in 3-4 sentences. Your summaries should capture the main points of each presentation, highlighting key insights or arguments.

Question 2: Identify a recent cyber threat or attack (e.g., ransomware, phishing, data breaches). Briefly explain what happened and its impact. Analyze how the attack could have been prevented or mitigated using cybersecurity best practices. Reflect on how cyber threats influence decision-making in organizations and everyday life. Write in 200 words.