Read the below paper, and provide the feedback (word or powerpoint)

- Please read the paper:

F. Deldar and M. Abadi, "Deep Learning for Zero-day Malware Detection and Classification: A Survey," *ACM Computing Surveys*, vol. 56, no. 2, Article 36, pp. 1-37, Feb. 2024.

  - Notice: You need to download this paper file **within our school's network.**

- Then answer the questions:

  - What is zero-day malware?

  - What are unsupervised learning, semi-supervised learning, few-shot learning, and adversarial learning?

    According to this paper, how can these learning methods help defend zero-day malware?

  - What is the difference between Malware Detection(MD) and Malware Classification (MC)?

  - In malware classification, there are Category (C) or Family(F) classification. What is the difference between them?

  - In Few-shot learning, what are the support set and query set? What is the meaning of N-way K-shot?

    What are One-Shot Learning and Zero-Shot Learning?

Upload the result to Moodle

- Upload your report to Moodle.
  - The file name should be "student ID_HW2.pdf"

- We may randomly pick someone to talk about this paper.