**2023 CSE Winter School – Activity Report**

**Mentor**: Alambek Gulamidinov

**Class details**

* **Session** [10]: Security and Cryptography
* **Date**: 2023.02.17
* **Time**:   
  - 2.17 15:00-18:00 (3 hours) preparation

- 2.17 19:00-20:00 (1 hour) Lecture

- 2.17 20:00-21:00 (1 hour) Practice / Q&A session

* **Attendees**: [정영찬]
* **Absentees**: [고은호 : unknown reasons, 예현수 was busy, watched recording]

**Description**

[Brief narrative summary]

The 10th lecture was dedicated to Secury and Cryptography.

It appears that this topic unlike the others was the one that is covered in regular UNIST courses and my students knew most of the part what we need to cover in this lecture. However it was good to repeat and remember what we knew.  
We practiced on Hash functions and how they work.  
And I showed application of hash function in real samples as git.  
After that we repeated symmetric cryptography and asymmetric and the difference between them.  
At the it was good to learn how to secure ourselves in the internet and from loosing our data and how to protect it using various tools.  
  
After the actual lesson we had a Q&A on the discord platform.

**Activity Screenshot**

A picture containing qr code

Description automatically generated

Graphical user interface, text

Description automatically generated

Graphical user interface, text, application

Description automatically generated