Security models are used extensively to describe different frameworks for protecting and allowing access to resources. Many security models were discussed during the lecture.

# Instructions

For this assignment, prepare a comparison matrix of the following security models and their attributes using the table below:

1. Bell-LaPadula Confidentiality Model
2. Biba Integrity Model

|  |  |  |
| --- | --- | --- |
| **Model** | **Bell-LaPadula** | **Biba** |
| Addresses:  Confidentiality  Integrity | Focuses on the confidentiality of information and prevents unauthorized access to objects | Focuses on the integrity of information and prevents unauthorized modification to objects |
| Reference model:  State machine  Multilevel lattice  Non-interference  Matrix-based  Information flow | It is an example of information flow, multilevel lattice, mandatory access control and state machine models | It is an example of information flow, multilevel lattice and state machine |
| Simple property | No read up | No read down |
| Star property | No write down | No write up |
| Strong star or invocation property | Read/Write | Read/Write |