**Tutorial 7**

1. For each of the statements below indicate whether a low or high cohesion or a low or high coupling is being described, and name the type described. For every statement only one correct mapping is possible. [CO5]
2. Module A contains two functions that often follow each other.
3. Module A always executes after module B.
4. Module A updates the same data as module B, but for different reasons.
5. Only module A contains the statements that change the entity status.
6. Following is elevator control system functional requirements, according to the description of the “Select Floor” use case. Create a Sequence Diagram for the given use case. [CO4]
7. The elevator control system shall allow the passenger to call the elevator and to select the destination floor;
8. When the passenger pushes the external button (to call the elevator), or the internal button (to select the destination floor), the central control system switches the button light on;
9. When the passenger calls the elevator or selects the destination floor, the central control system opens/closes the elevator door;
10. When the passenger calls the elevator or selects the destination floor, the central control system moves/stops the elevator to/at the passenger call floor or to/at the passenger destination floor.
11. When the passenger leaves the elevator, the central control system switches the button light off.
12. Draw the activity diagram for ATM for use cases Withdraw money and check account balance. [CO4]