**Week 14: 17 Oct 2022 to 23 Oct 2022**

**Unit 9.2: Algorithm Design**

**Class Activity**

1. Tickets are sold for a concert at $20 each. If 10 tickets are bought then the discount is 10%; if 20 tickets are bought the discount is 20%. No more than 25 tickets can be bought in a single transaction.

Use pseudocode to write an algorithm to calculate the cost of buying a given number of tickets.

b) Decomposition

c) Pattern Recognition.