1. Let n be a positive integer and S_n be the set of all positive divisors of n. Let R be the relation defined as follows: for any $a, b \in S_n, aRb$ if and only if b divides a. Then the minimal and the maximal elements of the lattice (S_n, R), respectively are
   Ans: Maximal: 1
   Minimal: n
2. Which of the following is a totally ordered set?
   Ans: $(A, \subseteq)$ where $A = (\{p\}, \{p, q\}, \{p, q, r\}, \phi)$