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**CSL202: Discrete Mathematical Structures**  
**Tutorial/Homework: 01**

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1. Discuss Quiz problems (in case required).
2. Complete the proof of the statement “ $2^n$  is not  $O(n)$ ”.
3. Problems from the book (7th Edition, Indian adaptation):
  - Section 1.5: 16, 23, 26, 27, 28, 29, 31, 34, 35.
  - Section 1.6: 25
  - Section 1.8: 23, 24, 33, 40
  - Supplementary exercises: 34, 40
4. Prove that  $\log_3(10)$  is an irrational number.