Total Marks: 100

Part 1: Converting strings into integers  20 marks

  Implementation  10 marks
  Rationale  10 marks

Part 2: Experiment 1  (Quadratic Probing)  35 marks

  Implement quadratic probing  15 marks

  Find the smallest table size that achieves the goal, for each value of d ∈ \{2, 3, 4, 5\}  20 marks

Part 3: Experiment 2  (Double Hashing)  35 marks

  Same breakdown as Part 2

Part 4: Discussion  10 marks

  Determine whether the experimental results from Parts 2 and 3 support the hypothesis or not