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CS 284 Midterm
Exercise 1:
   1. True
   2. True
   3. True
   4. False
Exercise 2:
   1. D
   2. C
   3. B
Exercise 3:
   1. ~N comparisons
   2. f(n) = O(g(n)) if there exists a positive integer n0 and a positive constant c, such that
       f(n) \le c*g(n) for all n \ge n0
       0.5n + 255<= 0.5n
3. F, D, B, E, C, A
Exercise 4:
Node curr = head;
while (curr != null){
       if (curr.data == c){
              Return true;
       }
       curr = curr.next;
}
return false;
Exercise 5:
// insert node P after given node M
Node curr = head;
While (curr != null){
       If curr.data = M.data{
              Node P = new Node(new_data);
              P.next = M.next
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M.next = P;

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P.prev = M;
}
Curr = curr.next;
}
return;
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