Pre-lab 7 questions  
Name:  
Cnet ID:  
Lab start time:  
  
Note: This week, it is free response rather than multiple choice  
1. How is a tree different from a linked list?  
  
  
  
  
  
  
  
2. What are the two properties that define a binary search tree?  
  
  
  
  
  
  
  
3. What type do we use when we want it to be a pointer, but we don't want to restrict the type to which the pointer points?  
  
  
  
  
If you make an ordered data structure (e.g. sorted linked list or BST), you need to perform comparisons to sort the data. If you are implementing a generic data structure that is allowed to hold any type, you need to accept a compare function as an input. What is the signature / prototype of that function that will be passed in?  
      a) void compare(int x, int y);  
      b) int compare(void x, void y);  
      c) int compare(void \*x, void \*y);  
      d) void \*compare(void \*x, void \*y);  
      d) bool compare(void \*x, void \*y);  
      e) bool compare(void x, void y);  
      f) bool compare(int x, int y);