**Recursion Practice:**

Q1. Write a recursive function to check if a given string is a palindrome. A palindrome is a word, phrase, number, or other sequence of characters that reads the same forward and backward. In other words, it remains unchanged when its characters are reversed.  
Q2. Create a recursive function to reverse a given string.  
Q3. Implement Binary Search using a recursive approach.   
For every question, please provide a detailed breakdown with a visual representation of the recursion tree by hand on your hard copy. Take your time to brainstorm and reach a solution, and make sure to include your working on the paper for clarity.  
  
Please make sure to follow the submission guidelines.   
  
  
**Submission guidelines:**  
1. Submit a PDF showing your working for Q1, Q2, and Q3 (recursion-working.pdf)  
2. Submit the code (Q1.py, Q2.py, Q3.py)  
3. Submit a link of video showing your running code for Q1, Q2, and Q3. The access of the link should be public so my TAs and I can access the link.

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