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Question
HATFD1005
Longest Palindrome substring
code
#include <stdio.h>
#include <string.h>
void Longest_palindrome(char *s, char *res) {
  int long len = 0;
  int n = strlen(s);
  for (int i = 0; i < n; i++) {
     int I = i, r = i;
     while (I \ge 0 \&\& r < n \&\& s[I] == s[r]) \{
        if (r - l + 1 > long_len) {
           long_len = r - l + 1;
           strncpy(res, s + I, long len);
           res[long_len] = '\0';
        }
        I--;
        r++;
     }
          I = i, r = i + 1;
     while (l \ge 0 \& r < n \& s[l] == s[r]) 
        if (r - l + 1 > long_len) {
           long_len = r - l + 1;
           strncpy(res, s + I, long_len);
           res[long_len] = '\0'; // Null terminate the result string
        }
        l--;
        r++;
  }
}
int main() {
  char string[1000];
  char result[1000] = ""; // Buffer to store the result
  printf("Enter a string: ");
  scanf("%s", string);
  Longest_palindrome(string, result);
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printf("Longest Palindromic Substring: %s\n", result);
  return 0;
}
Test Case
Enter a string: babad
Longest Palindromic Substring: bab
Enter a string: aaccddbhs
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Longest Palindromic Substring: aa