## OUTPUT!

- \* Ruter string: hello
  Not palindrome!!
  - \* Enterstring: abedcha Palindrome!!
- \* Anter String: malayalam Palhohome!
- \* anter string: dodastruct Not palindrome!

Call semilence with E

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call objective, DESTILAY SCIENCE

Q. Write a program to store a string into a double linked list, and check whether it is palindrome or not 31-Jan-2022 ALGORITHM 1. Declare a structure Mode, with data, pondar to noxt and previous node 2. Reclare HEAD, TAIL as NILL (1: load String () 1. lon =0 2. while (c+ 'ln'): i breate a new Node, now Node 2. For fisst node, set strustead = new Mode 3 For new Node Set: data = 0 next = NUCL Prev = TAIL 4. TATh - next = new Node 5. TALL = new Node 6. len +=1 7. C= INPUT next charecter check Palindlome (head, tail, len): T. 1. f=head, h=tail, d=len 2. while (ix len/2): if (data at f + data at h) notice o. 6=6-next 9=2-> Plev } 1+=1 . 3. notion 1 main 1. Stalt 2. Call load Stling() 3. Call checkPalindramel) with HEAD, TAIL, ken, store result 4. if (lesult): DISPLAY "Palindrome" else: DISPLAY "Not-Palindrome". 5. and. RESULT: Programs executed successfully and output is Obtained;