**Crack The Campus**

**Palindrome**

1. Read the input number entered by the user and store it in an integer data type.
2. Make a 2D array of the length 20x100, where we assume that the max words entered by user are 20 and 100 is the max character allowed for each word (palindrome array)
3. Input words and after each word hit enter key.
4. Store each string in the array (point 3)

**FUNCTION : isPalindrome (input array)**

1. Traverse through the array and check each string (convert string to lower case first) for the palindrome condition :
2. Count the number of characters in the word.
3. Based on the count, make a loop upto half of the word length and compare equality for first character with last one, second with second last and so on until the loop finishes.
4. If any of the comparision fails Print ‘Not at all’.
5. If all the comparision succeeded Print ‘Indeed’.
6. If the word is palindrome, count the number of characters in the word.
7. If whole traverse is complete, print the longest palindrome word and its length.

Functions to be used :

1. **isPalindrome** (**(input array**)