**Crack The Campus**

**Palindrome**

**Problem Description**

Input n number of strings (n <= 20) from the user separated by new line character. The user shall enter n on first line followed by string of characters < 100.

For each input print whether the string is a palindrome (word spelt the same backwards). Assume no spaces between characters.

Find the longest palindrome string from the inputs and print it along with its length.

**Examples :**

|  |  |
| --- | --- |
| **SAMPLE INPUT** | **SAMPLE OUTPUT** |
| Enter number of words: 3  Enter 3 words |  |
| eergreejj | Not at all |
| madam | Indeed |
| nursesrun | Indeed |
|  | The longest palindrome string is nursesrun and its length is 9 |