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Scanner input = new Scanner(System.in);

//creating scanner and array so that userinput is stored
String phrase;
char[] letterphrase;

//boolean method to check if userinput is a palindrome
boolean Tpalindrome = true;

//asking user for his phrase
System.out.println("Please enter your phrase: ");
// converting every digit into a lowercase to make sure the system doesnt make an error when seeing
the palindrome and removing all the spaces within an array
phrase = input.next().toLowerCase();
phrase = phrase.replaceAll("[^a-z]", "");

//putting each character of the phrase into it's own array
letterphrase = phrase.toCharArray();

for(int i = 0; i < letterphrase.length; i++) {

    //if the palindromes dont match up then the variable made becomes false
    if(letterphrase[i] != letterphrase[letterphrase.length - i - 1])
        Tpalindrome = false;
}

//if the variable made to keep track of whether the phrase is a palindrome isnt true then it is not a
palindrome
    if (Tpalindrome == false) {
        System.out.print("Your phrase is not a palindrome");
    } else { //if the variable is true than will output that the phrase is a palindrome
        System.out.print("Your phrase is a palindrome");
    }
}

```

I started off by creating my array so that whatever the user inputs will be stored as a char and a string Using a boolean method will be my fact checker for if the palindrome is true or false then my 'phrase = phrase.replaceAll("[^a-z]", "");

Will remove all things that dont stay within the parameter of a-z . Im asked the user for their palindrome afterwards and converted every letter user inputs to being a lowercase letter so that the program will not misunderstand it as an error and also removed all spaces.

`for(int i = 0; i < letterphrase.length; i++) {` will check The first character (`i = 0`) with the last character (`length - 1`)

- The second character (`i = 1`) with the second-to-last character (`length - 2`), and so on.

At the end of the code I made a variable to keep track of whether the phrase is a palindrome if it isn't true then it is not a palindrome etc