

Sprint 13: Use Java "String" Class

Problem Statement: 13.1 – Shortest Word

Write a Java program to get the strings as input from the user and push them to an array. Find the shortest word in the list of strings and display the same on the screen.

Sample Input

```
words[] = { "Atrocity", "Pensive", "Imperceptible", "Discordant" }
```

Sample Output

Shortest word is Pensive

Practice Challenge – 13.1 – Boilerplate URL

https://myrepos.stackroute.niit.com/core_java_boilerplates/sprint13_pc13.1.git

Practice Challenge - 13.2 – Palindrome

Palindrome is a word, sentence or a number that reads the same even after its order is reversed. Harrah is one such palindrome town in Oklahoma, United States. For administrative purposes, a list of all palindrome towns and cities is being prepared. Write a Java program that states whether the name of a place is a palindrome or not. Print the words and display their total count.

Sample Input

```
String words []= {"Hannah", "Texas", "Renner", "Eleele"}
}
```

Expected Output

```
Hannah is a palindrome
Renner is a palindrome
```

```
Total number of palindromes: 2
```

Practice Challenge – 13.2 – Boilerplate URL

https://myrepos.stackroute.niit.com/core_java_boilerplates/sprint13_pc13.2.git

Practice Challenge - 13.3 – Sort Words

An engineering college has created a mandate for all students to mark their attendance on a daily basis. The exercise would help them check whether their students are regularly attending their classes or not. The names of all the students have to be stored in alphabetical order for simplifying the process of marking attendance. Write a Java program that sorts and displays all the names given in the list in alphabetical order.

Sample Input

```
words[] = {"Rahul", "Ajay", "Gaurav", "Riya" }
```

Expected Output

The sorted words are::

Ajay , Gaurav , Rahul , Riya

Practice Challenge – 13.3 – Boilerplate URL

https://myrepos.stackroute.niit.com/core_java_boilerplates/sprint13_pc13.3.git