

## Closest Palindrome Number

Published by [Matt](#) in [Java](#) ▾

[complete](#)[loops](#)[numbers](#)

Write a function that returns the closest palindrome number to an integer. If two palindrome numbers tie in absolute distance, return the **smaller number**.

### Examples

```
closestPalindrome(887) → 888
```

```
closestPalindrome(100) → 99  
// 99 and 101 are equally distant, so we return 99
```

```
closestPalindrome(888) → 888
```

```
closestPalindrome(27) → 22
```

### Notes

If the number itself is a palindrome, return that number.

[SUGGEST EDIT](#)

### ProTip

*Ctrl + Enter to check code.*

[Continue](#)