



Collator Class

Contains methods to get locale-specific instances that can be used for comparisons and sorting. Use the `getInstance()` method to obtain the Collator instance for a given locale and pass the Collator as the Comparator parameter to the `list.sort()` method.

Namespace

System

Usage

Because locale-sensitive sorting can produce different results depending on the user running the code, avoid using it in triggers or in code that expects a particular sort order.

Example

This example performs a default list sort and then uses Collator to sort based on the user locale.

```
@IsTest
static void userLocaleSort() {

    string userLocale = 'fr_FR';

    User u = new User(Alias = 'standt', Email='standarduser@testorg.com',
        EmailEncodingKey='UTF-8', LastName='Testing', LanguageLocaleKey='en_US',
        LocaleSidKey=userLocale, TimeZoneSidKey='America/Los_Angeles',
        ProfileId = [SELECT Id FROM Profile WHERE Name='Standard User'].Id,
        Username='standarduser' + DateTime.now().getTime() + '@testorg.com');

    System.runAs(u) {

        List<String> shoppingList = new List<String> {
            'épaule désosé Agneau',
            'Juice',
            'à la mélasse Galette 5 kg',
            'Bread',
            'Grocery'
        };

        // Default sort
        shoppingList.sort();
        Assert.areEqual('Bread', shoppingList[0]);

        // Sort based on user Locale
        Collator myCollator = Collator.getInstance();
        shoppingList.sort(myCollator);
        Assert.areEqual('à la mélasse Galette 5 kg', shoppingList[0]);
        Assert.areEqual('Bread', shoppingList[1]);
        Assert.areEqual('épaule désosé Agneau', shoppingList[2]);
        Assert.areEqual('Grocery', shoppingList[3]);
        Assert.areEqual('Juice', shoppingList[4]);
    }
}
```

- [Collator Methods](#)



Perform string comparisons for a given locale.

- [getInstance\(\)](#)
Gets the Collator instance for the current user's locale.

compare(source, target)

Perform string comparisons for a given locale.

Signature

```
public Integer compare(String source, String target)
```

Parameters

source

Type: [String](#)

target

Type: [String](#)

Return Value

Type: [Integer](#)

getInstance()

Gets the Collator instance for the current user's locale.

Signature

```
public static System.Collator getInstance()
```

Return Value

Type: [Collator Class](#)

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