



Integer Class

Contains methods for the Integer primitive data type.

Namespace

[System](#)

Usage

For more information on integers, see [Integer Data Type](#).

Integer Methods

The following are methods for `Integer`.

- [format\(\)](#)
Returns the integer as a string using the locale of the context user.
- [valueOf\(stringToInteger\)](#)
Returns an Integer that contains the value of the specified String. As in Java, the String is interpreted as representing a signed decimal integer.
- [valueOf\(fieldValue\)](#)
Converts the specified object to an Integer. Use this method to convert a history tracking field value or an object that represents an Integer value.

format()

Returns the integer as a string using the locale of the context user.

Signature

```
public String format()
```

Return Value

Type: [String](#)

Example

```
integer myInt = 22;  
system.assertEquals('22', myInt.format());
```

valueOf(stringToInteger)

Returns an Integer that contains the value of the specified String. As in Java, the String is interpreted as representing a signed decimal integer.

Signature

```
public static Integer valueOf(String stringToInteger)
```



Return Value

Type: [Integer](#)

Example

```
Integer myInt = Integer.valueOf('123');
```

valueOf(fieldValue)

Converts the specified object to an Integer. Use this method to convert a history tracking field value or an object that represents an Integer value.

Signature

```
public static Integer valueOf(Object fieldValue)
```

Parameters

fieldValue

Type: Object

Return Value

Type: [Integer](#)

Usage

Use this method with the `oldValue` or `newValue` fields of history sObjects, such as `AccountHistory`, when the field type corresponds to an Integer type, like a number field.

Example:

Example

```
List<AccountHistory> ahlist =
    [SELECT Field,OldValue,NewValue
     FROM AccountHistory];
for(AccountHistory ah : ahlist) {
    System.debug('Field: ' + ah.Field);
    if (ah.field == 'NumberOfEmployees') {
        Integer oldValue =
            Integer.valueOf(ah.OldValue);
        Integer newValue =
            Integer.valueOf(ah.NewValue);
    }
}
```

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