

# Class Librarian

java.lang.Object  
Librarian

All Implemented Interfaces:  
Cloneable

```
public class Librarian
extends Object
implements Cloneable
```

This class represents a librarian working in a library.

## Constructor Summary

Constructors	
Constructor	Description
Librarian()	The null librarian object.
Librarian(String type, int id, String firstName, String lastName, String area)	Parameterized constructor to initialize a Item object with given values for id, type, title, year, borrowed.

## Method Summary

All Methods	Instance Methods	Concrete Methods	
Modifier and Type	Method		Description
void	changeArea(String newArea)		Method to return the area of the librarian works in.
void	changeName(String newFirstName, String newLastName)		Method to change the full name of the librarian.
Librarian	clone()		This method creates a deep copy of this object.
boolean	equals(Object obj)		Method to check if the 2 Librarian objects are equal if they are in the same Java class.
String	getArea()		Method to return the area that the librarian works.

<code>int</code>	<code>getId()</code>	Method to return the id of the librarian.
<code>String</code>	<code>getName()</code>	Method to return the full name of the librarian.
<code>String</code>	<code>printSummary()</code>	This method prints out the summary of the librarians.
<code>String</code>	<code>toString()</code>	Method to show how to print inside the test file.

### Methods inherited from class `java.lang.Object`

`getClass` , `hashCode` , `notify` , `notifyAll` , `wait` , `wait` , `wait`

## Constructor Details

### Librarian

```
public Librarian()
```

The null librarian object.

### Librarian

```
public Librarian(String type,
                 int id,
                 String firstName,
                 String lastName,
                 String area)
```

Parameterized constructor to initialize a Librarian object with given values for id, type, title, year, borrowed.

#### Parameters:

`type` - The librarian.

`id` - The id of the librarian.

`firstName` - The first name of the librarian.

`lastName` - The last name of the librarian.

`area` - The area that the librarian works in.

## Method Details

**getId**

```
public int getId()
```

Method to return the id of the librarian.

**Returns:**

a integer value.

**getName**

```
public String getName()
```

Method to return the full name of the librarian.

**Returns:**

a string value.

**getArea**

```
public String getArea()
```

Method to return the area that the librarian works.

**Returns:**

a string value.

**changeName**

```
public void changeName(String newFirstName,  
                        String newLastName)
```

Method to change the full name of the librarian.

**Parameters:**

newFirstName - The new first name of the librarian.

newLastName - The new last name of the librarian.

**changeArea**

```
public void changeArea(String newArea)
```

Method to return the area of the librarian works in.

**Parameters:**

newArea - The name of the new area the librarian works in.

## equals

```
public boolean equals(Object obj)
```

Method to check if the 2 Librarian objects are equal if they are in the same Java class.

**Overrides:**

`equals` in class `Object`

**Returns:**

false.

## clone

```
public Librarian clone()
```

This method creates a deep copy of this object.

**Returns:**

a deep copy of this object.

## printSummary

```
public String printSummary()
```

This method prints out the summary of the librarians.

**Returns:**

String value

## toString

```
public String toString()
```

Method to show how to print inside the test file.

**Overrides:**

`toString` in class `Object`

**Returns:**

a string value.