Main

# Class Department

java.lang.Object
     Main.Department

**All Implemented Interfaces:**

`java.io.Serializable`

---

```
public class Department
extends java.lang.Object
implements java.io.Serializable
```

Represents a department in the store eg. Watches, Rings etc. A Department contains product of the relevant type.

**See Also:**

Serialized Form

---

## *Constructor Summary*

### Constructors

| Constructor and Description |
| --- |
| `Department`()<br>Creates a new department using the single argument constructor within, and provides a default value for name |
| `Department`(java.lang.String depName)<br>Creates a new department with the given name, also assigns an ArrayList of products to the Department |

---

## *Method Summary*

| **All Methods** | Instance Methods | Concrete Methods |
| --- | --- | --- |

| Modifier and Type | Method and Description |
| --- | --- |
| void | `addProduct`(Product product)<br>Add product. |
| boolean | `equals`(Department d)<br>Returns a boolean value to show if the compared departments are the same |
| java.lang.String | `getDepName`() |

|                   | Accessor method Returns the name of the Department |
| java.lang.String  | **getProductList**() |
|                   | Returns the contents of the products Array for the department object on which it is called |
| void              | **setDepName**(java.lang.String depName) |
|                   | Mutator method to set/change the name of the Department |
| java.lang.String  | **toString**() |
|                   | Returns the name of the Department |

## Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

## *Constructor Detail*

### Department

public Department()

Creates a new department using the single argument constructor within, and provides a default value for name

### Department

public Department(java.lang.String depName)

Creates a new department with the given name, also assigns an ArrayList of products to the Department

**Parameters:**
depName - The name of the department

## *Method Detail*

### setDepName

public void setDepName(java.lang.String depName)

Mutator method to set/change the name of the Department

**Parameters:**
depName - The name of the department

### getDepName

```
public java.lang.String getDepName()
```

Accessor method Returns the name of the Department

**Returns:**

```
depName The name of the department
```

## addProduct

```
public void addProduct(Product product)
```

Add product.

**Parameters:**

```
product - Adds a product to the ArrayList of products
```

## getProductList

```
public java.lang.String getProductList()
```

Returns the contents of the products Array for the department object on which it is called

**Returns:**

```
list of products in the selected department
```

## toString

```
public java.lang.String toString()
```

Returns the name of the Department

**Overrides:**

```
toString in class java.lang.Object
```

**Returns:**

```
name of selected department
```

## equals

```
public boolean equals(Department d)
```

Returns a boolean value to show if the compared departments are the same

**Parameters:**

```
d - the Department
```

**Returns:**

```
a boolean value of true or false to compare department names
```