

Module [assignment](#)

Package [assignment](#)

Class **CalculatorDoc**

[java.lang.Object](#)  
[assignment.CalculatorDoc](#)

public class **CalculatorDoc**  
extends [Object](#)

**Constructor Summary**

**Constructors**

Constructor	Description
<a href="#">CalculatorDoc()</a>	constructs a constructor that sets the value of all the attributes

**Method Summary**

All Methods	Static Methods	Instance Methods	Concrete Methods
Modifier and Type	Method	Description	
double	<a href="#">calculateCompoundInterest()</a>	calculates the compound interest	
long	<a href="#">calculateFactorial()</a>	calculates the factorial	
double	<a href="#">calculateMean()</a>	calculates the mean	
double	<a href="#">calculatePercentage()</a>	calculates the percentage	
double	<a href="#">calculateSimpleInterest()</a>	calculates the simple interest	
static void	<a href="#">main(<a href="#">String</a> [] args)</a>	main method to run the class functions	

**Methods inherited from class [java.lang.Object](#)**

[equals](#) , [getClass](#) , [hashCode](#) , [notify](#) , [notifyAll](#) , [toString](#) , [wait](#) , [wait](#) , [wait](#)

**Constructor Details**

**CalculatorDoc**

public [CalculatorDoc\(\)](#)

constructs a constructor that sets the value of all the attributes

## ***Method Details***

### **calculateSimpleInterest**

```
public double calculateSimpleInterest()
```

calculates the simple interest

**Returns:**

the calculated simple interest

### **calculateCompoundInterest**

```
public double calculateCompoundInterest()
```

calculates the compound interest

**Returns:**

the calculated compound interest

### **calculateMean**

```
public double calculateMean()
```

calculates the mean

**Returns:**

the calculated mean

### **calculateFactorial**

```
public long calculateFactorial()
```

calculates the factorial

**Returns:**

the calculated factorial

### **calculatePercentage**

```
public double calculatePercentage()
```

calculates the percentage

**Returns:**

the calculated percentage

## main

```
public static void main(String [] args)
```

main method to run the class functions

**Parameters:**

args - required for main function