

JAVA.LANG.ENUM.VALUEOF METHOD

http://www.tutorialspoint.com/java/lang/enum_valueof.htm

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Description

The **java.lang.Enum.valueOf** method returns the enum constant of the specified **enumtype** with the specified name. The **name** must match exactly an identifier used to declare an enum constant in this type.

Declaration

Following is the declaration for **java.lang.Enum.valueOf** method

```
public static <T extends Enum<T>> T valueOf(Class<T> enumType, String name)
```

Parameters

- **enumType** -- This is the Class object of the enum type from which to return a constant.
- **name** -- This is the name of the constant to return.

Return Value

This method returns the enum constant of the specified enum type with the specified name.

Exception

- **IllegalArgumentException** -- if the specified enum type has no constant with the specified name, or the specified class object does not represent an enum type.
- **NullPointerException** -- if enumType or name is null.

Example

The following example shows the usage of java.lang.Enum.valueOf method.

```
package com.tutorialspoint;

import java.lang.*;

// enum showing Mobile prices
enum Mobile {
    Samsung(400), Nokia(250), Motorola(325);

    int price;
    Mobile(int p) {
        price = p;
    }
    int showPrice() {
        return price;
    }
}

public class EnumDemo {

    public static void main(String args[]) {

        System.out.println("CellPhone List:");
        for(Mobile m : Mobile.values()) {
            System.out.println(m + " costs " + m.showPrice() + " dollars");
        }

        Mobile ret;
        ret = Mobile.valueOf("Samsung");
    }
}
```

```
        System.out.println("Selected : " + ret);  
    }  
}
```

Let us compile and run the above program, this will produce the following result:

```
CellPhone List:  
Samsung costs 400 dollars  
Nokia costs 250 dollars  
Motorola costs 325 dollars  
Selected : Samsung
```

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