

JAVA.LANG.PACKAGE.GETANNOTATION METHOD

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

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Description

The **java.lang.Package.getAnnotationClass** *< A > annotationClass* method returns this element's annotation for the specified type if such an annotation is present, else null.

Declaration

Following is the declaration for **java.lang.Package.getAnnotation** method

```
public <A extends Annotation> A getAnnotation(Class<A> annotationClass)
```

Parameters

- **annotationClass** -- the Class object corresponding to the annotation type

Return Value

This method returns this element's annotation for the specified annotation type if present on this element, else null

Exception

- **NullPointerException** -- if the given annotation class is null
- **IllegalMonitorStateException** -- if the current thread is not the owner of the object's monitor.

Example

The following example shows the usage of lang.Object.getAnnotation method.

```
package com.tutorialspoint;

import java.lang.annotation.Retention;
import java.lang.annotation.RetentionPolicy;
import java.lang.reflect.Method;

// declare a new annotation
@Retention(RetentionPolicy.RUNTIME)
@interface Demo {

    String str();

    int val();
}

public class PackageDemo {

    // set values for the annotation
    @Demo(str = "Demo Annotation", val = 100)
    // a method to call in the main
    public static void example() {
        PackageDemo ob = new PackageDemo();

        try {
            Class c = ob.getClass();

            // get the method example
            Method m = c.getMethod("example");

            // get the annotation for class Demo
```

```
Demo annotation = m.getAnnotation(Demo.class);

// print the annotation
System.out.println(annotation.str() + " " + annotation.val());
} catch (NoSuchMethodException exc) {
exc.printStackTrace();
}

public static void main(String args[]) {
example();
}
}
```

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

Demo Annotation 100

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