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## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'javap.1' command***

**\$ man javap.1**

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### NAME

javap - Disassembles one or more class files.

### SYNOPSIS

javap [options] classfile...

#### options

The command-line options. See Options.

#### classfile

One or more classes separated by spaces to be processed for annotations such as DocFooter.class. You can specify a class that can be found in the class path, by its file name or with a URL such as file:///home/user/myproject/src/DocFooter.class.

### DESCRIPTION

The javap command disassembles one or more class files. The output depends on the options used. When no options are used, then the javap command prints the package, protected and public fields, and methods of the classes passed to it. The javap command prints its output to stdout.

### OPTIONS

-help

--help

-?

Prints a help message for the javap command.

-version

Prints release information.

-l

Prints line and local variable tables.

-public

Shows only public classes and members.

-protected

Shows only protected and public classes and members.

-private

-p

Shows all classes and members.

-Joption

Passes the specified option to the JVM. For example:

```
javap -J-version
```

```
javap -J-Djava.security.manager -J-Djava.security.policy=MyPolicy MyClassName
```

For more information about JVM options, see the command documentation.

-s

Prints internal type signatures.

-sysinfo

Shows system information (path, size, date, MD5 hash) of the class being processed.

-constants

Shows static final constants.

-c

Prints disassembled code, for example, the instructions that comprise the Java bytecodes, for each of the methods in the class.

-verbose

Prints stack size, number of locals and arguments for methods.

-classpath path

Specifies the path the javap command uses to look up classes.

Overrides the default or the CLASSPATH environment variable when it is set.

-bootclasspath path

Specifies the path from which to load bootstrap classes. By default, the bootstrap classes are the classes that implement the core Java platform located in jre/lib/rt.jar and several other JAR files.

-extdir dirs

Overrides the location at which installed extensions are searched for. The default location for extensions is the value of java.ext.dirs.

## EXAMPLE

Compile the following DocFooter class:

```
import java.awt.*;
import java.applet.*;

public class DocFooter extends Applet {
    String date;
    String email;
    public void init() {
        resize(500,100);
        date = getParameter("LAST_UPDATED");
        email = getParameter("EMAIL");
    }
    public void paint(Graphics g) {
        g.drawString(date + " by ",100, 15);
        g.drawString(email,290,15);
    }
}
```

The output from the javap DocFooter.class command yields the following:

```
Compiled from "DocFooter.java"
public class DocFooter extends java.applet.Applet {
    java.lang.String date;
    java.lang.String email;
    public DocFooter();
    public void init();
```

```

public void paint(java.awt.Graphics);
}

```

The output from javap -c DocFooter.class command yields the following:

Compiled from "DocFooter.java"

```

public class DocFooter extends java.applet.Applet {
    java.lang.String date;
    java.lang.String email;
    public DocFooter();

```

Code:

```

0: aload_0
1: invokespecial #1          // Method

```

java/applet/Applet."<init>":()V

```

4: return

```

```

public void init();

```

Code:

```

0: aload_0
1: sipush      500
4: bipush     100
6: invokevirtual #2          // Method resize:(II)V
9: aload_0
10: aload_0
11: ldc       #3          // String LAST_UPDATED
13: invokevirtual #4          // Method

```

getParameter:(Ljava/lang/String;)Ljava/lang/String;

```

16: putfield   #5          // Field date:Ljava/lang/String;
19: aload_0
20: aload_0
21: ldc       #6          // String EMAIL
23: invokevirtual #4          // Method

```

getParameter:(Ljava/lang/String;)Ljava/lang/String;

```

26: putfield   #7          // Field email:Ljava/lang/String;
29: return

```

```

public void paint(java.awt.Graphics);

```

Code:

```
0: aload_1
1: new      #8          // class java/lang/StringBuilder
4: dup
5: invokespecial #9          // Method
java/lang/StringBuilder."<init>":()V
8: aload_0
9: getfield  #5          // Field date:Ljava/lang/String;
12: invokevirtual #10         // Method
java/lang/StringBuilder.append:(Ljava/lang/String;)Ljava/lang/StringBuilder;
15: ldc     #11          // String by
17: invokevirtual #10         // Method
java/lang/StringBuilder.append:(Ljava/lang/String;)Ljava/lang/StringBuilder;
20: invokevirtual #12         // Method
java/lang/StringBuilder.toString:()Ljava/lang/String;
23: bipush  100
25: bipush  15
27: invokevirtual #13         // Method
java/awt/Graphics.drawString:(Ljava/lang/String;II)V
30: aload_1
31: aload_0
32: getfield  #7          // Field email:Ljava/lang/String;
35: sipush  290
38: bipush  15
40: invokevirtual #13         // Method
java/awt/Graphics.drawString:(Ljava/lang/String;II)V
43: return
}
```

SEE ALSO

- ? [java\(1\)](#)
- ? [javac\(1\)](#)
- ? [javadoc\(1\)](#)
- ? [jdb\(1\)](#)

? jdeps(1)

JDK 8

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