Hello World Java

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Contents

HelloWorld.java

```java
1  package helloworld;

3  public class HelloWorld
   {
5      public static void printHex(String str)
       {
7          for (int i = 0; i < str.length(); )
           {
9              int cp = str.codePointAt(i);
               i += Character.charCount(cp);
11             System.out.format("0x%04X ", cp);
           }
13     }

15     public static void main(String[] args)
       {
17         System.out.println("Hello World!");
           System.out.println("Java version: "+System.getProperty("java.version"));
19         System.out.println("Java vendor: "+System.getProperty("java.vendor")
            + " "+System.getProperty("java.vendor.url"));
21         System.out.println("OS arch: "+System.getProperty("os.arch"));
           System.out.println("OS name: "+System.getProperty("os.name"));
23         System.out.println("OS version: "+System.getProperty("os.version"));
           System.out.println("Line ending: "+System.getProperty("line.separator"));
25         printHex(System.getProperty("line.separator"));
           System.out.println();
27     }
   }
```

Application

Compiler Invocation

```
javac -Xlint:unchecked -Xlint:deprecation -encoding UTF-8 -verbose -d
    prepasg16752973191550930697classes HelloWorld.java
```

Compiler Messages

```
[parsing started SimpleFileObject[/tmp/prepasg16752973191550930697/HelloWorld.java]]
[parsing completed 16ms]
[loading /modules/jdk.jdwp.agent/module-info.class]
[loading /modules/java.smartcardio/module-info.class]
[loading /modules/jdk.unsupported.desktop/module-info.class]
[loading /modules/jdk.accessibility/module-info.class]
[loading /modules/jdk.jdi/module-info.class]
[loading /modules/jdk.naming.rmi/module-info.class]
[loading /modules/jdk.net/module-info.class]
[loading /modules/java.transaction.xa/module-info.class]
[loading /modules/jdk.security.auth/module-info.class]
[loading /modules/jdk.management.jfr/module-info.class]
[loading /modules/java.se/module-info.class]
[loading /modules/jdk.internal.vm.compiler.management/module-info.class]
[loading /modules/jdk.jfr/module-info.class]
[loading /modules/jdk.internal.vm.compiler/module-info.class]
[loading /modules/jdk.hotspot.agent/module-info.class]
[loading /modules/jdk.jlink/module-info.class]
[loading /modules/java.datatransfer/module-info.class]
[loading /modules/java.security.sasl/module-info.class]
[loading /modules/jdk.dynalink/module-info.class]
[loading /modules/jdk.internal.ed/module-info.class]
[loading /modules/jdk.incubator.vector/module-info.class]
[loading /modules/java.sql.rowset/module-info.class]
[loading /modules/jdk.zipfs/module-info.class]
[loading /modules/java.security.jgss/module-info.class]
[loading /modules/java.prefs/module-info.class]
[loading /modules/java.naming/module-info.class]
[loading /modules/jdk.random/module-info.class]
[loading /modules/java.management.rmi/module-info.class]
[loading /modules/java.rmi/module-info.class]
[loading /modules/jdk.javadoc/module-info.class]
[loading /modules/jdk.management/module-info.class]
[loading /modules/jdk.internal.opt/module-info.class]
[loading /modules/java.compiler/module-info.class]
[loading /modules/java.scripting/module-info.class]
[loading /modules/jdk.attach/module-info.class]
[loading /modules/java.xml/module-info.class]
[loading /modules/jdk.editpad/module-info.class]
[loading /modules/jdk.incubator.foreign/module-info.class]
[loading /modules/java.logging/module-info.class]
[loading /modules/jdk.jdeps/module-info.class]
[loading /modules/jdk.nio.mapmode/module-info.class]
[loading /modules/jdk.internal.vm.ci/module-info.class]
[loading /modules/jdk.jartool/module-info.class]
[loading /modules/jdk.crypto.ec/module-info.class]
[loading /modules/jdk.jcmd/module-info.class]
[loading /modules/jdk.internal.jvmstat/module-info.class]
[loading /modules/jdk.security.jgss/module-info.class]
[loading /modules/jdk.unsupported/module-info.class]
[loading /modules/java.desktop/module-info.class]
[loading /modules/java.instrument/module-info.class]
[loading /modules/jdk.jstatd/module-info.class]
[loading /modules/jdk.jpackage/module-info.class]
```

```
[loading /modules/jdk.httpserver/module-info.class]
[loading /modules/jdk.charsets/module-info.class]
[loading /modules/java.management/module-info.class]
[loading /modules/jdk.internal.le/module-info.class]
[loading /modules/java.net.http/module-info.class]
[loading /modules/jdk.localedata/module-info.class]
[loading /modules/jdk.naming.dns/module-info.class]
[loading /modules/jdk.xml.dom/module-info.class]
[loading /modules/jdk.management.agent/module-info.class]
[loading /modules/jdk.jshell/module-info.class]
[loading /modules/jdk.compiler/module-info.class]
[loading /modules/java.sql/module-info.class]
[loading /modules/java.base/module-info.class]
[loading /modules/jdk.jsobject/module-info.class]
[loading /modules/jdk.jconsole/module-info.class]
[loading /modules/jdk.sctp/module-info.class]
[loading /modules/java.xml.crypto/module-info.class]
[loading /modules/jdk.crypto.cryptoki/module-info.class]
[search path for source files: .]
[search path for class files: /usr/lib/jvm/java-17-openjdk-17.0.5.0.8-2.fc36.x86_64/l
ib/modules,.]
[loading /modules/java.base/java/lang/Object.class]
[loading /modules/java.base/java/lang/String.class]
[loading /modules/java.base/java/lang/Deprecated.class]
[loading /modules/java.base/java/lang/annotation/Retention.class]
[loading /modules/java.base/java/lang/annotation/RetentionPolicy.class]
[loading /modules/java.base/java/lang/annotation/Target.class]
[loading /modules/java.base/java/lang/annotation/ElementType.class]
[checking helloworld.HelloWorld]
[loading /modules/java.base/java/io/Serializable.class]
[loading /modules/java.base/java/lang/AutoCloseable.class]
[loading /modules/java.base/java/lang/Comparable.class]
[loading /modules/java.base/java/lang/CharSequence.class]
[loading /modules/java.base/java/lang/constant/Constable.class]
[loading /modules/java.base/java/lang/constant/ConstantDesc.class]
[loading /modules/java.base/java/lang/Character.class]
[loading /modules/java.base/java/lang/System.class]
[loading /modules/java.base/java/io/PrintStream.class]
[loading /modules/java.base/java/lang/Appendable.class]
[loading /modules/java.base/java/io/Closeable.class]
[loading /modules/java.base/java/io/FilterOutputStream.class]
[loading /modules/java.base/java/io/OutputStream.class]
[loading /modules/java.base/java/io/Flushable.class]
[loading /modules/java.base/java/lang/Integer.class]
[loading /modules/java.base/java/lang/Number.class]
[loading /modules/java.base/java/util/Locale.class]
[loading /modules/java.base/java/lang/Byte.class]
[loading /modules/java.base/java/lang/Short.class]
[loading /modules/java.base/java/lang/Long.class]
[loading /modules/java.base/java/lang/Float.class]
[loading /modules/java.base/java/lang/Double.class]
[loading /modules/java.base/java/lang/Boolean.class]
[loading /modules/java.base/java/lang/Void.class]
[loading /modules/java.base/java/lang/invoke/StringConcatFactory.class]
[loading /modules/java.base/java/lang/invoke/MethodHandles.class]
[loading /modules/java.base/java/lang/invoke/MethodHandles$Lookup.class]
[loading /modules/java.base/java/lang/invoke/MethodType.class]
[loading /modules/java.base/java/lang/invoke/CallSite.class]
[wrote prepasg16752973191550930697classes/helloworld/HelloWorld.class]
[total 279ms]
```

Application Invocation

```
java '-Dline.separator=
' helloworld.HelloWorld
```

Messages to STDOUT

```
Hello World!
Java version: 17.0.5
Java vendor: Red Hat, Inc. https://www.redhat.com/
OS arch: amd64
OS name: Linux
OS version: 6.0.8-200.fc36.x86_64
Line ending:

0x000D 0x000A
```

Messages to STDERR

None.