

Principal.java

```
1 package app;
2
3 import classes.Cilindro;
4
5 public class Principal {
6
7
8     public static void main(String[] args) {
9
10
11         Cubo cubo1 = new Cubo((int)(Math.random() * 9 + 1));
12         Cubo cubo2 = new Cubo((int)(Math.random() * 9 + 1));
13
14         System.out.println(cubo1.superficie());
15         System.out.println(cubo2.superficie());
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17         System.out.println(cubo1.volumen());
18         System.out.println(cubo2.volumen());
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20         Cilindro cili1 = new Cilindro(Math.random() * 9 + 1, Math
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23         System.out.println(cili1.superficie());
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26         System.out.println(cili1.volumen());
27         System.out.println(cili2.volumen());
28     }
29 }
30
```

Variables

Name	Value
no method return	
args	String[0] (id=20)
✓ cubo1	Cubo (id=21)
lado	1
✓ cubo2	Cubo (id=24)
lado	5

Console

Principal [Java Application] C:\Program Files\Java\jdk-22\bin\javaw.exe (29 abr 2025, 15:27:45) [pid:

Principal.java

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6.0

150.0

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```

Console

Principal [Java Application] C:\Program Files\Java\jdk-22\bin\javaw.exe (29 abr 2025, 15:27:45) [pid: 6.0  
150.0  
1.0  
125.0

Variables

Name	Value
args	String[0] (id=20)
cubo1	Cubo (id=21)
lado	1
cubo2	Cubo (id=24)
lado	5
cili1	Cilindro (id=26)
cili2	Cilindro (id=28)

Principal.java

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Console

Principal [Java Application] C:\Program Files\Java\jdk-22\bin\javaw.exe (29 abr 2025, 15:27:45) [pid: 6.0  
150.0  
1.0  
125.0  
542.99

Variables

Name	Value
args	String[0] (id=20)
cubo1	Cubo (id=21)
lado	1
cubo2	Cubo (id=24)
lado	5
cili1	Cilindro (id=26)
altura	8.535691096842
PI	3.14
radio	5.9633995481501305
cili2	Cilindro (id=28)
altura	9.692092587114145
PI	3.14
radio	6.252366955762322

The screenshot shows an IDE with a Java file named `Principal.java` and a console window. The Java code defines a `Principal` class with a `main` method that creates two `Cubo` objects and two `Cilindro` objects, then prints their surface area and volume. The console output shows the results of these calculations.

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```

Console Output:

```
<terminated> Principal [Java Application] C:\Program Files\Java\jdk-22\bin\javaw.exe (29 abr 2025)
6.0
150.0
1.0
125.0
542.99
626.06
953.14
1189.7
```

The screenshot shows a PowerShell terminal window with the following commands and output:

```
~\Documents\MEDAC\entornos de desarrollo > git init 15:33:56
Initialized empty Git repository in C:/Users/Alvaro/Documents/MEDAC/entornos de desarrollo/.git/
~\Documents\MEDAC\entornos de desarrollo \main > 15:34:14
```

```

~\Documents\MEDAC\entornos de desarrollo %main > git add .\PracticaVolumenesYSuperficies\14
warning: in the working copy of 'PracticaVolumenesYSuperficies/bin/doc/legal/COPYRIGHT', LF
will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'PracticaVolumenesYSuperficies/bin/doc/legal/LICENSE', LF wi
ll be replaced by CRLF the next time Git touches it
warning: in the working copy of 'PracticaVolumenesYSuperficies/bin/doc/legal/jquery.md', LF
will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'PracticaVolumenesYSuperficies/bin/doc/legal/jqueryUI.md', L
F will be replaced by CRLF the next time Git touches it

```

```

~\Documents\MEDAC\entornos de desarrollo %main > git status 15:34:35
On branch main

No commits yet

Changes to be committed:
  (use "git rm --cached <file> ..." to unstage)
    new file:   PracticaVolumenesYSuperficies/.classpath
    new file:   PracticaVolumenesYSuperficies/.project
    new file:   PracticaVolumenesYSuperficies/.settings/org.eclipse.core.resources.prefs
    new file:   PracticaVolumenesYSuperficies/.settings/org.eclipse.jdt.core.prefs
    new file:   PracticaVolumenesYSuperficies/bin/.classpath
    new file:   PracticaVolumenesYSuperficies/bin/.project
    new file:   PracticaVolumenesYSuperficies/bin/.settings/org.eclipse.core.resources.p
refs
    new file:   PracticaVolumenesYSuperficies/bin/.settings/org.eclipse.jdt.core.prefs
    new file:   PracticaVolumenesYSuperficies/bin/app/Principal.class
    new file:   PracticaVolumenesYSuperficies/bin/clases/Cilindro.class
    new file:   PracticaVolumenesYSuperficies/bin/clases/Cubo.class
    new file:   PracticaVolumenesYSuperficies/bin/doc/allclasses-index.html
    new file:   PracticaVolumenesYSuperficies/bin/doc/allpackages-index.html
    new file:   PracticaVolumenesYSuperficies/bin/doc/app/Principal.html
    new file:   PracticaVolumenesYSuperficies/bin/doc/app/class-use/Principal.html
    new file:   PracticaVolumenesYSuperficies/bin/doc/app/package-summary.html
    new file:   PracticaVolumenesYSuperficies/bin/doc/app/package-tree.html
    new file:   PracticaVolumenesYSuperficies/bin/doc/app/package-use.html
    new file:   PracticaVolumenesYSuperficies/bin/doc/clases/Cilindro.html
    new file:   PracticaVolumenesYSuperficies/bin/doc/clases/Cubo.html
    new file:   PracticaVolumenesYSuperficies/bin/doc/clases/class-use/Cilindro.html
    new file:   PracticaVolumenesYSuperficies/bin/doc/clases/class-use/Cubo.html
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    new file:   PracticaVolumenesYSuperficies/bin/doc/clases/package-use.html
    new file:   PracticaVolumenesYSuperficies/bin/doc/element-list
    new file:   PracticaVolumenesYSuperficies/bin/doc/help-doc.html

```

```

~\Documents\MEDAC\entornos de desarrollo %main > git commit -m "Primer commit"
[main (root-commit) 3060faf] Primer commit
118 files changed, 10354 insertions(+)
create mode 100644 PracticaVolumenesYSuperficies/.classpath
create mode 100644 PracticaVolumenesYSuperficies/.project
create mode 100644 PracticaVolumenesYSuperficies/.settings/org.eclipse.core.resou
rces.prefs
create mode 100644 PracticaVolumenesYSuperficies/.settings/org.eclipse.jdt.core.p
refs
create mode 100644 PracticaVolumenesYSuperficies/bin/.classpath

```

```

~\Documents\MEDAC\entornos de desarrollo %main > git remote add origin https://git
hub.com/amv0048/PracticaVolumenesYSuperficies.git

```

```
~\Documents\MEDAC\entornos de desarrollo %main > git push -u origin main
info: please complete authentication in your browser ...
Enumerating objects: 86, done.
Counting objects: 100% (86/86), done.
Delta compression using up to 16 threads
Compressing objects: 100% (80/80), done.
Writing objects: 100% (86/86), 88.63 KiB | 4.66 MiB/s, done.
Total 86 (delta 25), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (25/25), done.
To https://github.com/amv0048/PracticaVolumenesYSuperficies.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
~\Documents\MEDAC\entornos de desarrollo %main > |
```