

Ambiente de Desenvolvimento Java

Professor MSc Wylliams Barbosa Santos

wylliamss@gmail.com

<http://about.me/wylliams>

Modelagem de Programação Orientada a Objetos

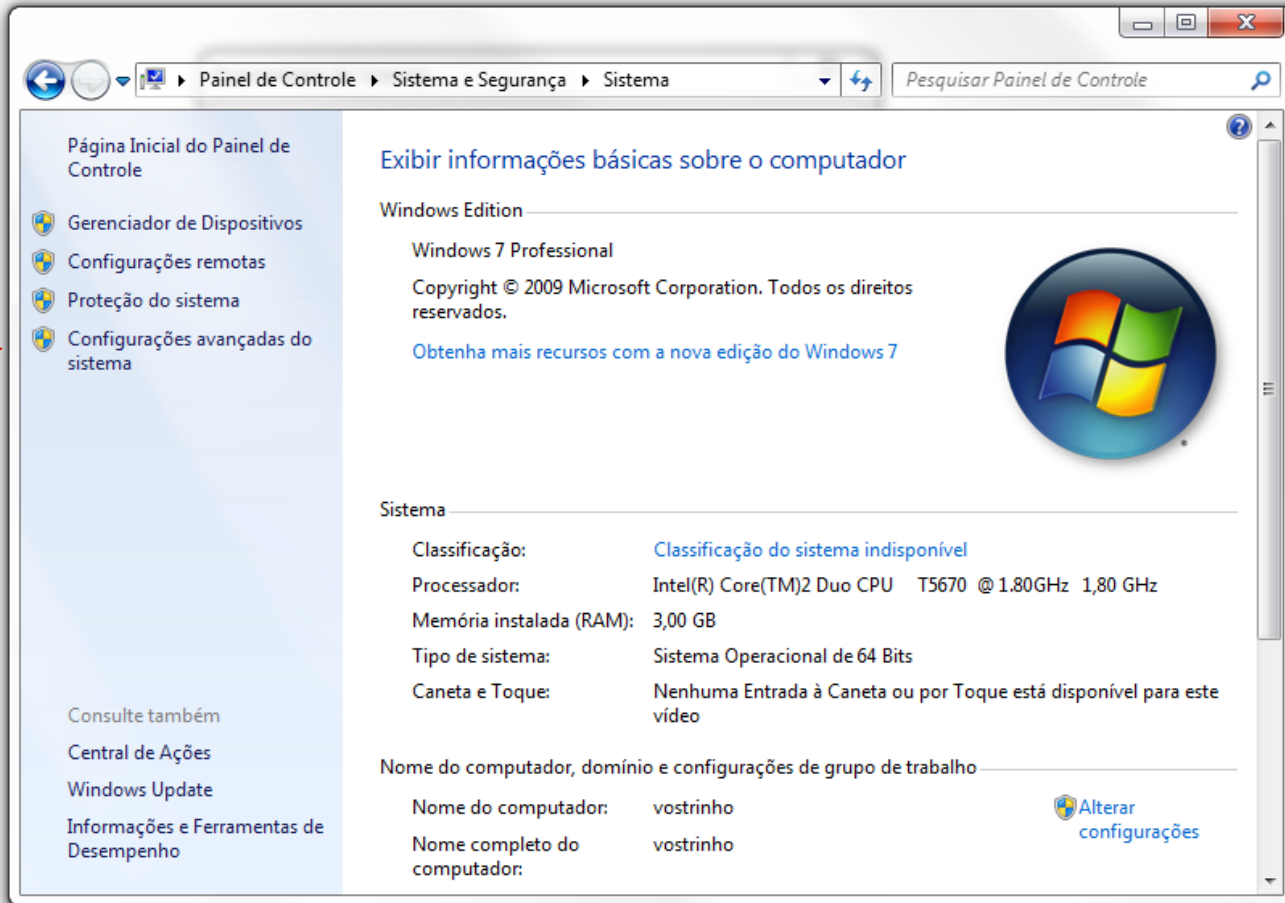
Conteúdo

- **Configuração**
- **IDE (Integrated Development Environment)**

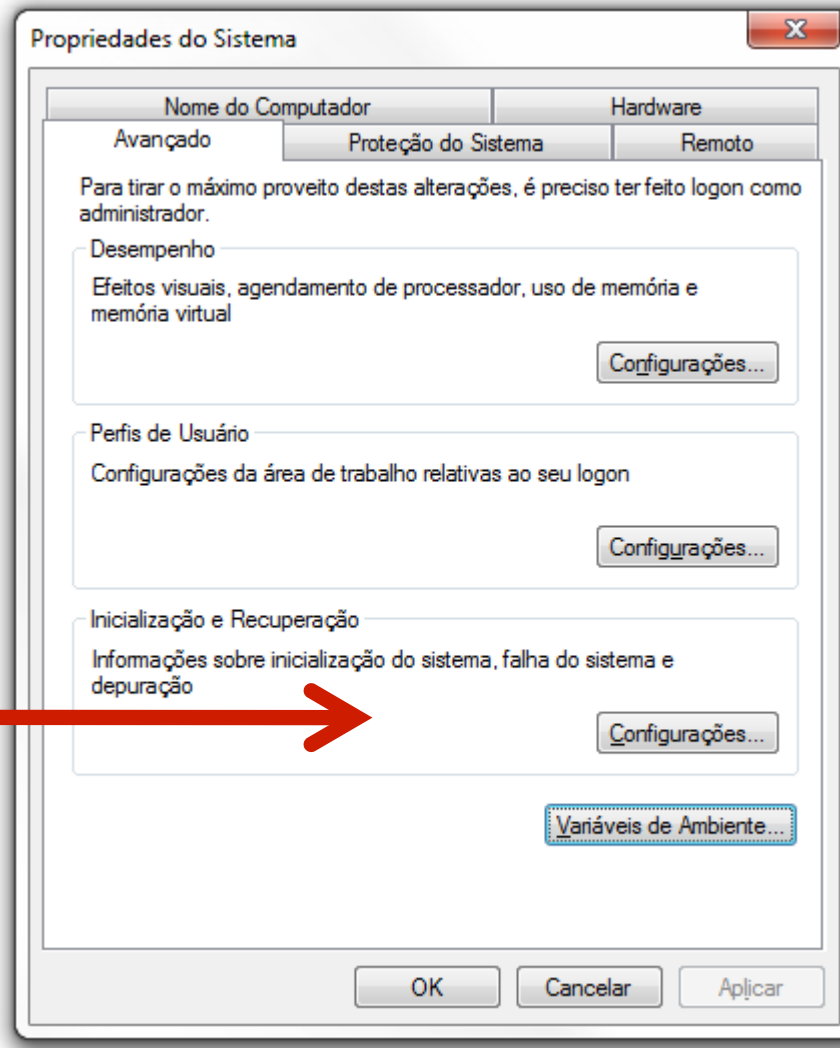
Configuração

Configuração do Ambiente de Desenvolvimento

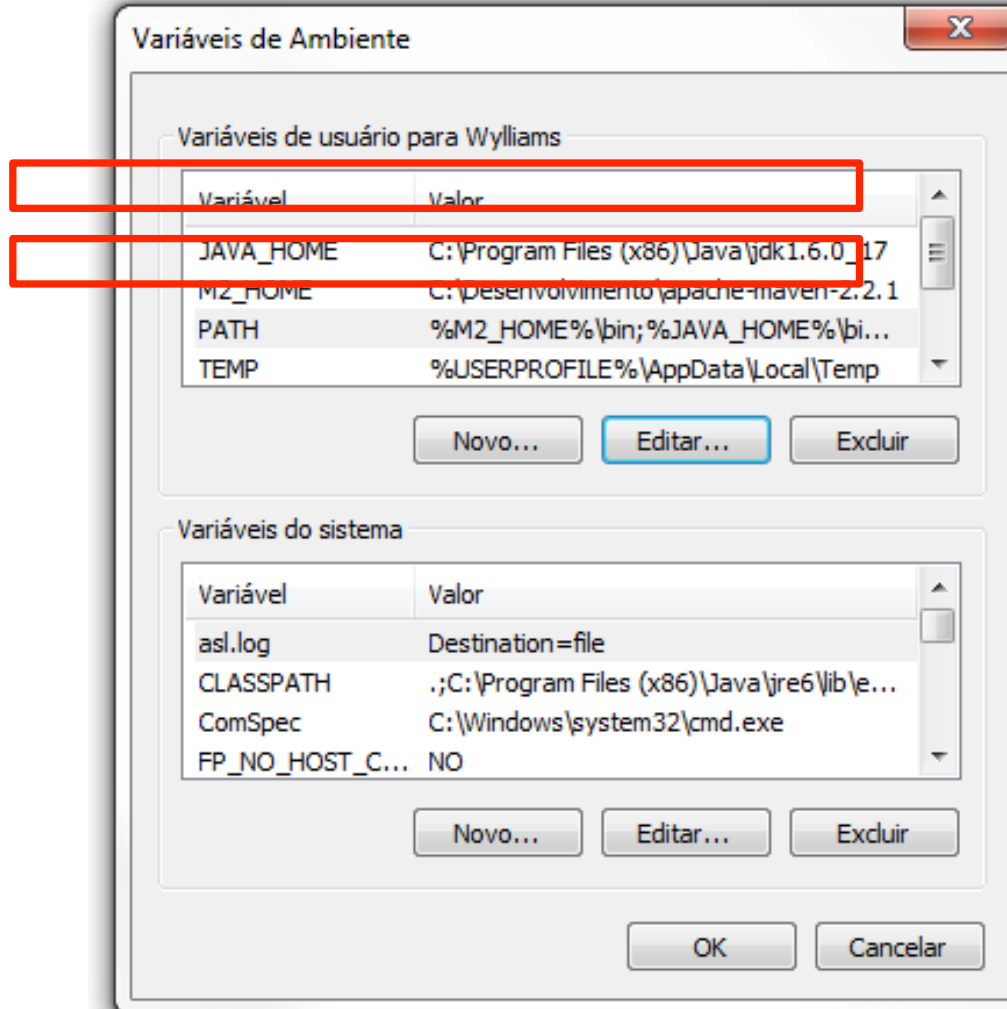
1. Instalação padrão do JDK (Java Development Kit)
<http://www.oracle.com/technetwork/java/javase/downloads/index.html>
2. Descompactar o Eclipse IDE for Java EE Developers
<http://www.eclipse.org/downloads/>
3. Configurar Variáveis de Ambiente



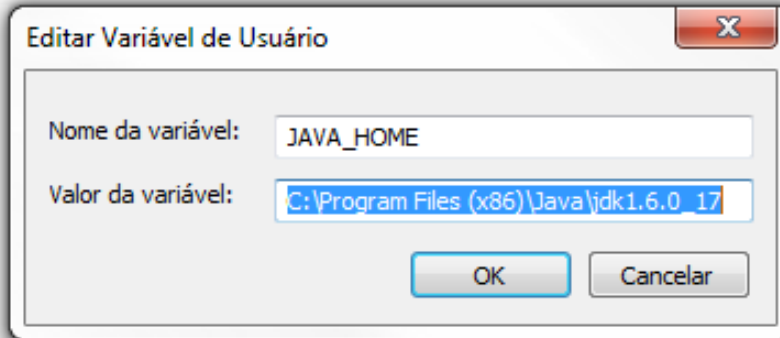
1º) Painel de Controle - Sistema e Segurança - Sistema



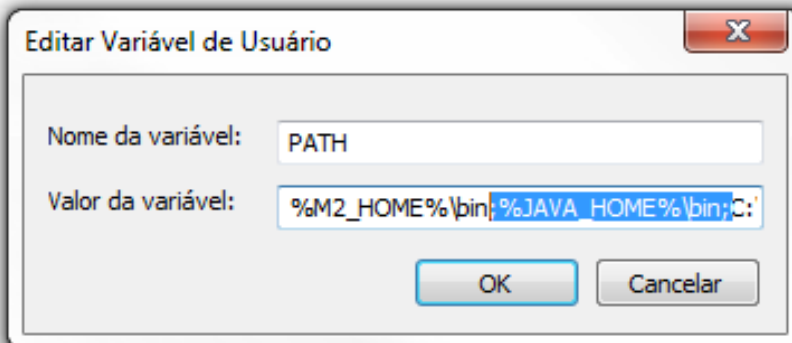
2º) Avançado – Variáveis de Ambiente



3º) Editar Variáveis de Ambiente JAVA_HOME e PATH



4°) JAVA_HOME = <diretório de instalação do Java>
Ex: C:\Program Files\Java\jdk1.6.0_17



5°) PATH = %JAVA_HOME%\bin

6º) Teste:

java -version

```
C:\Windows\system32\cmd.exe

D:\projeto>java -version
java version "1.6.0_17"
Java(TM) SE Runtime Environment (build 1.6.0_17-b04)
Java HotSpot(TM) Client VM (build 14.3-b01, mixed mode, sharing)

D:\projeto>
```

```
C:\Windows\system32\cmd.exe

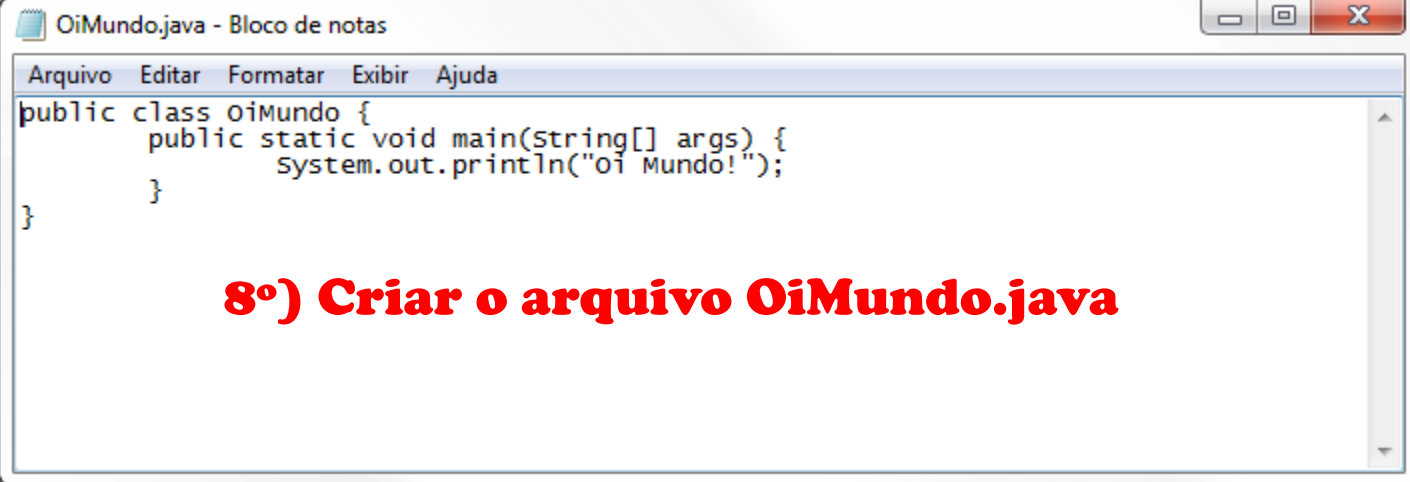
D:\projeto>java -help
Usage: java [-options] class [args...]
           (to execute a class)
 or java [-options] -jar jarfile [args...]
           (to execute a jar file)

where options include:
  -client          to select the "client" VM
  -server          to select the "server" VM
  -hotspot         is a synonym for the "client" VM [deprecated]
                   The default VM is client.

  -cp <class search path of directories and zip/jar files>
  -classpath <class search path of directories and zip/jar files>
               A ; separated list of directories, JAR archives,
               and ZIP archives to search for class files.
  -D<name>=<value>
               set a system property
  -verbose[:class[:gc[:jni]]

```

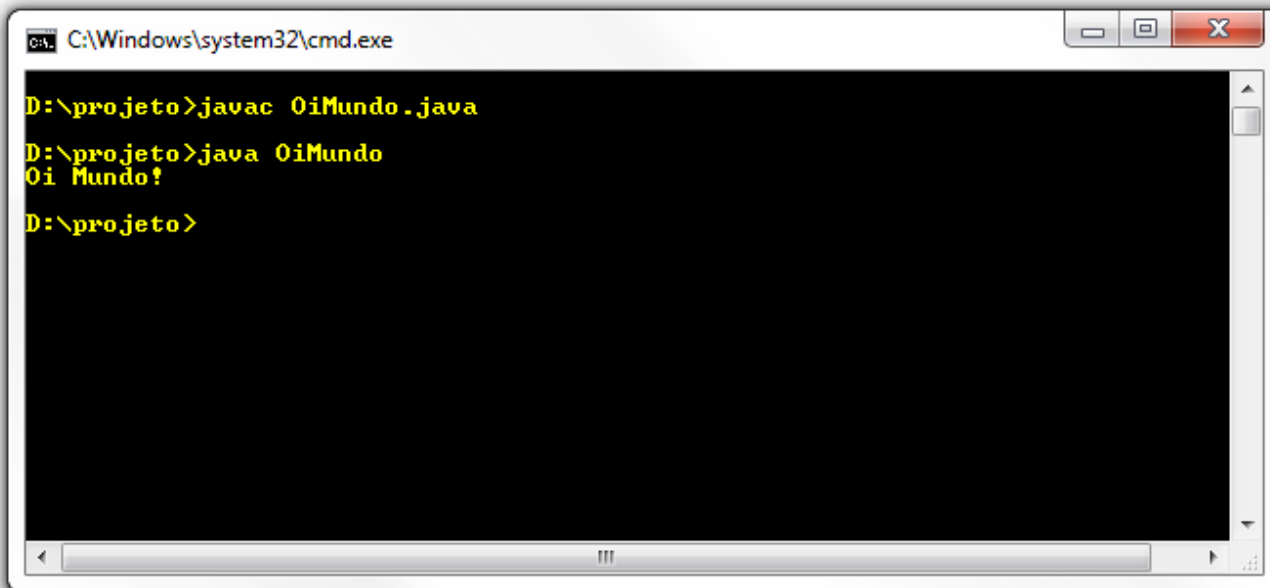
7º) Teste:
java -help



```
OiMundo.java - Bloco de notas
Arquivo  Editar  Formatar  Exibir  Ajuda
public class OiMundo {
    public static void main(String[] args) {
        System.out.println("Oi Mundo!");
    }
}
```

8º) Criar o arquivo OiMundo.java

9º) Executar Programa Java



```
C:\Windows\system32\cmd.exe
D:\projeto>javac OiMundo.java
D:\projeto>java OiMundo
Oi Mundo!
D:\projeto>
```

IDE



Por que usar?

O que é?



UFRPE

Universidade
Federal Rural
de Pernambuco



Integrated Development Environment

Ambiente Integrado de Desenvolvimento



UFRPE

Universidade
Federal Rural
de Pernambuco



BSI
Sistemas de Informação
UFRPE



JCreator® LE

JCreator is a trademark of Xinox Software. Copyright 2000-2007 Xinox Software. All rights reserved.

BETA VERSION
NetBeans IDE 6.0

Reading module storage...

NetBeans IDE and NetBeans Platform are based on software from netbeans.org, developed under Common Development and Distribution License (CDDL). For more information visit www.netbeans.org.

eclipse
HELIOS

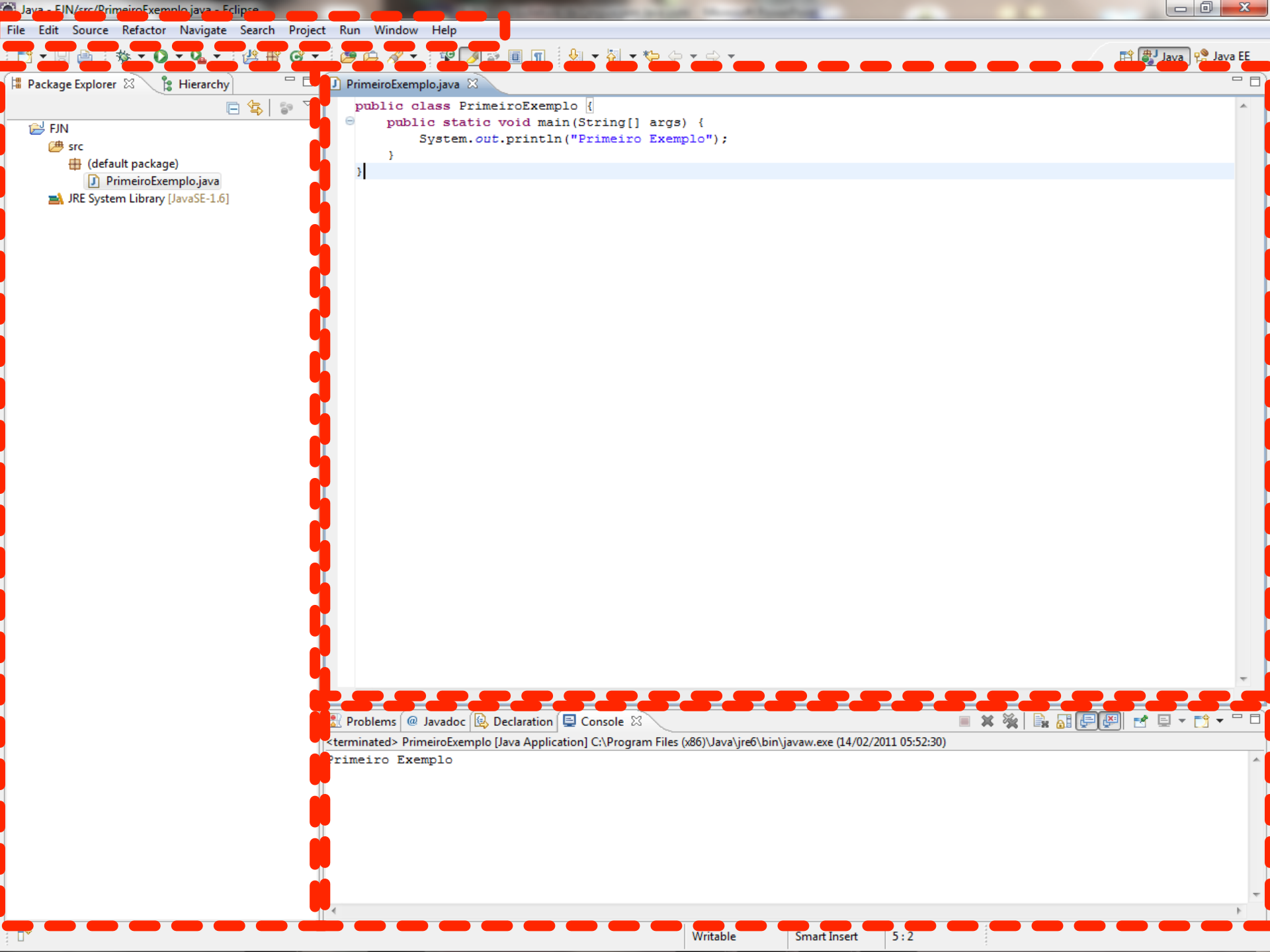
(c) Copyright Eclipse contributors and others, 2000, 2010. All rights reserved. Java and all Java-related trademarks and logos are trademarks or registered trademarks of Sun Microsystems, Inc. in the U.S., other countries, or both. Eclipse is a trademark of the Eclipse Foundation, Inc.

Borland®
Excellence Endures™

JBuilder®

Personal
9.0.125.0

© 2007-2003 Borland Software Corporation. All Rights Reserved.



File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer Hierarchy

FIN
src
(default package)
PrimeiroExemplo.java
JRE System Library [JavaSE-1.6]

```
public class PrimeiroExemplo {  
    public static void main(String[] args) {  
        System.out.println("Primeiro Exemplo");  
    }  
}
```

Problems @ Javadoc Declaration Console
<terminated> PrimeiroExemplo [Java Application] C:\Program Files (x86)\Java\jre6\bin\javaw.exe (14/02/2011 05:52:30)
Primeiro Exemplo

Writable Smart Insert 5:2

Características

- ✓ Editor
- ✓ Compilador (compiler)
- ✓ Linker
- ✓ Depurador (debugger)
- ✓ Modelagem (modelling)
- ✓ Geração de código
- ✓ Distribuição (deploy)
- ✓ Testes Automatizados (automated tests)
- ✓ Refatoração (refactoring)

Exercícios

1. Criar um projeto Java;
2. Criar uma classe de HelloWorld;
3. Exportar o projeto para o pen-drive;
4. Importar o projeto;

