

PARTE II

Ambiente de Programação Java

Ambientes de Programação Java

- ✧ Editor de texto >_
- ✧ IDEs (Integrated Development Environment)
 - ✧ Eclipse
 - ✧ NetBeans
 - ✧ ...

Ambiente: Shell

Editor: vi/emacs/notepad/etc

- ❖ A “tela preta” certamente não é o ambiente ideal de desenvolvimento para o estágio de tecnologia atual. Porém, saber usar este ambiente pode ocasionalmente “salvar o dia”.
- ❖ Exemplo:
 - ❖ **emacs -nw opa.java**
 - ❖ **javac opa.java**
 - ❖ **java opa**

```
public class opa{  
    public static void main(String[] args){  
        String[] frases1 = new String[6];  
        frases1[5] = ";-)";  
        frases1[0] = "Caro amigo,";  
        frases1[2] = "a programar em Java.";  
        frases1[4] = "Java na UTFPR";  
        frases1[1] = "convido você a aprender";  
        frases1[3] = "Faça especialização";  
  
        int i;  
        for(i = 0; i < frases1.length; i++){  
            System.out.println(frases1[i]);  
        }  
    }  
}
```

Exemplo: `cc -nw opa.java`

```
-uuu:---F1  opa.java      All L1      (Java/l Abbrev)-----  
Loading cc-mode...done
```


The logo features a dark purple background with a bright sun-like glow on the left, emitting rays. A large, dark purple circle is partially obscured by the word 'eclipse' in white. The word 'eclipse' is in a large, lowercase, sans-serif font. Below it, the word 'HELIOS' is in a smaller, uppercase, sans-serif font.

eclipse

HELIOS

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Overview



Workbench basics

Learn about basic Eclipse workbench concepts



Team support

Find out how to collaborate with other developers



C/C++ Development

Get familiar with the C/C++ Development Tools (CDT)



Eclipse Marketplace

Install Eclipse extensions and solutions

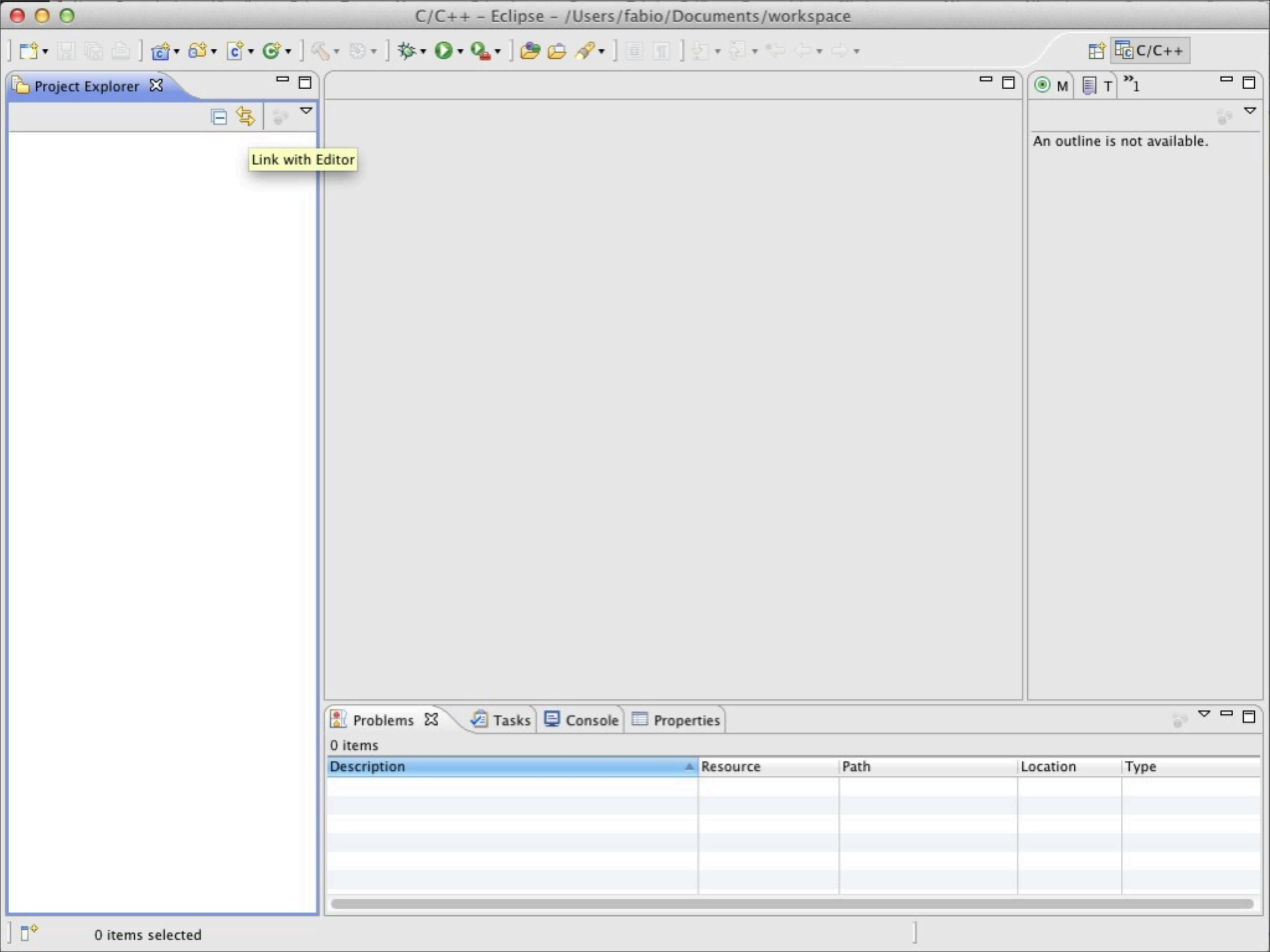


Usage Data Collector

The Usage Data Collector collects information about how you are using the Eclipse platform.



Mylyn Task Management

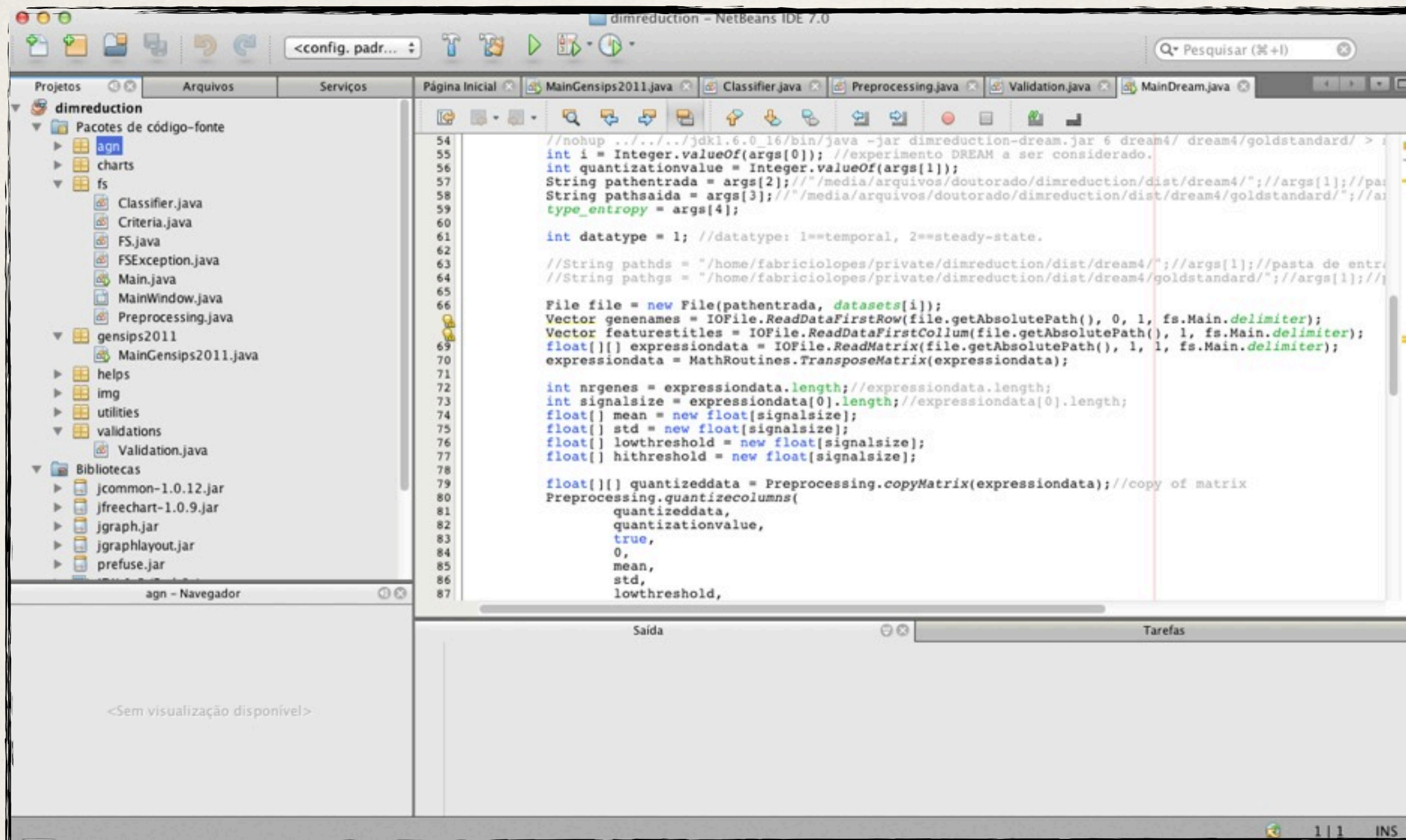


An outline is not available.

Link with Editor

0 items

Description	Resource	Path	Location	Type



IDE NetBeans

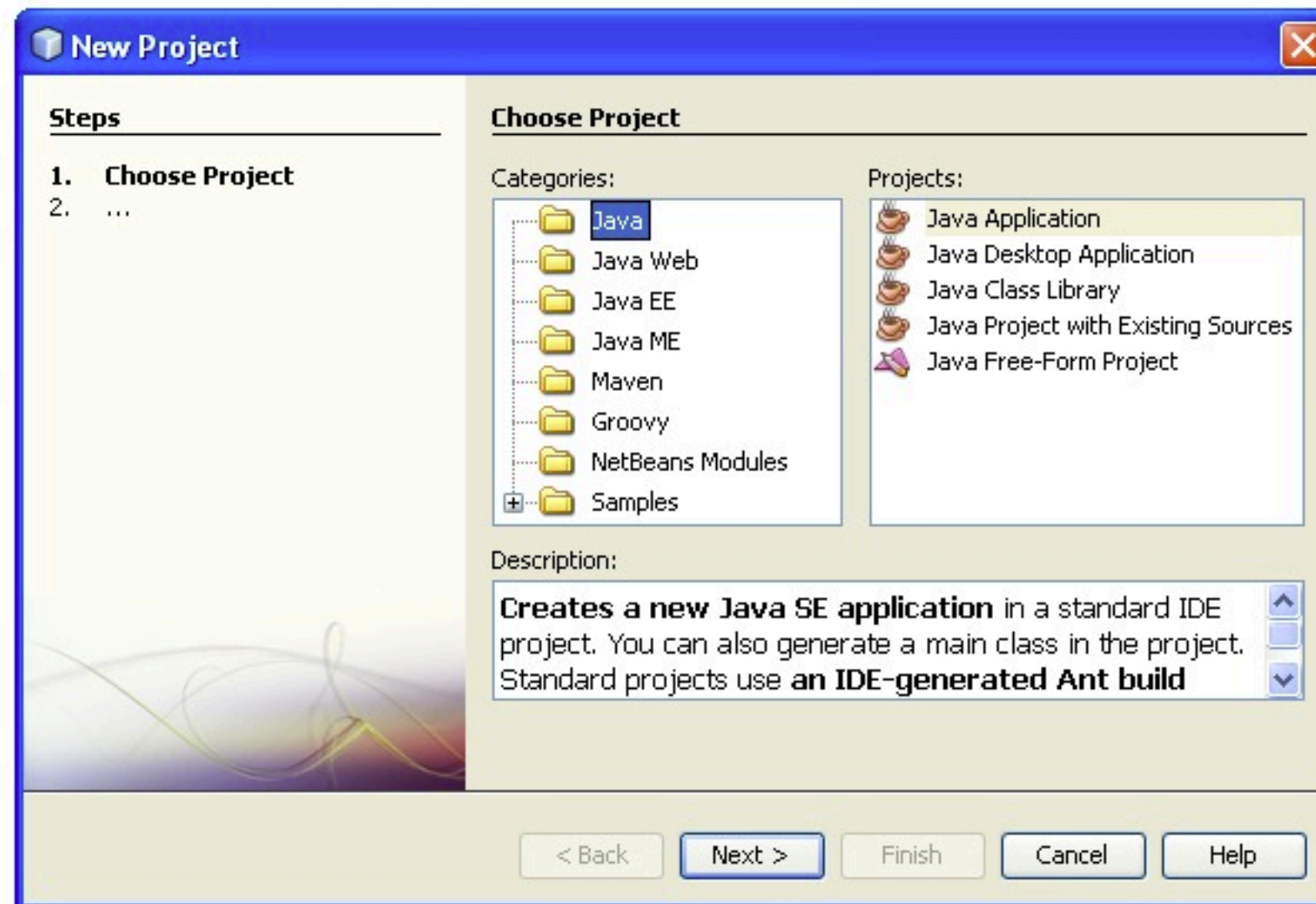
Para criar um projeto do IDE:

1. Inicie o NetBeans IDE.
2. No IDE, escolha Arquivo > Novo projeto (Ctrl-Shift-N), como mostrado na figura abaixo.



<http://netbeans.org/kb/docs/java>

3. No assistente para Novo projeto, expanda a categoria Java e selecione Aplicação Java, como mostrado na figura abaixo. Em seguida clique em Próximo.



4. Na página Nome e localização do assistente, adote o procedimento a seguir (como mostrado na figura abaixo):
- no campo Nome do projeto, digite HelloWorldApp.
 - Deixe desmarcada a caixa de verificação Utilizar pasta dedicada para armazenar bibliotecas.
 - No campo Criar classe principal, digite helloworldapp.HelloWorldApp.
 - Deixe marcada a caixa de verificação Definir como projeto principal.

New Java Application

Steps

1. Choose Project
2. **Name and Location**

Name and Location

Project Name: HelloWorldApp

Project Location: C:\work\tmp\nbproj Browse...

Project Folder: C:\work\tmp\nbproj\HelloWorldApp

☐ Use Dedicated Folder for Storing Libraries

Libraries Folder: Browse...

Different users and projects can share the same compilation libraries (see Help for details).

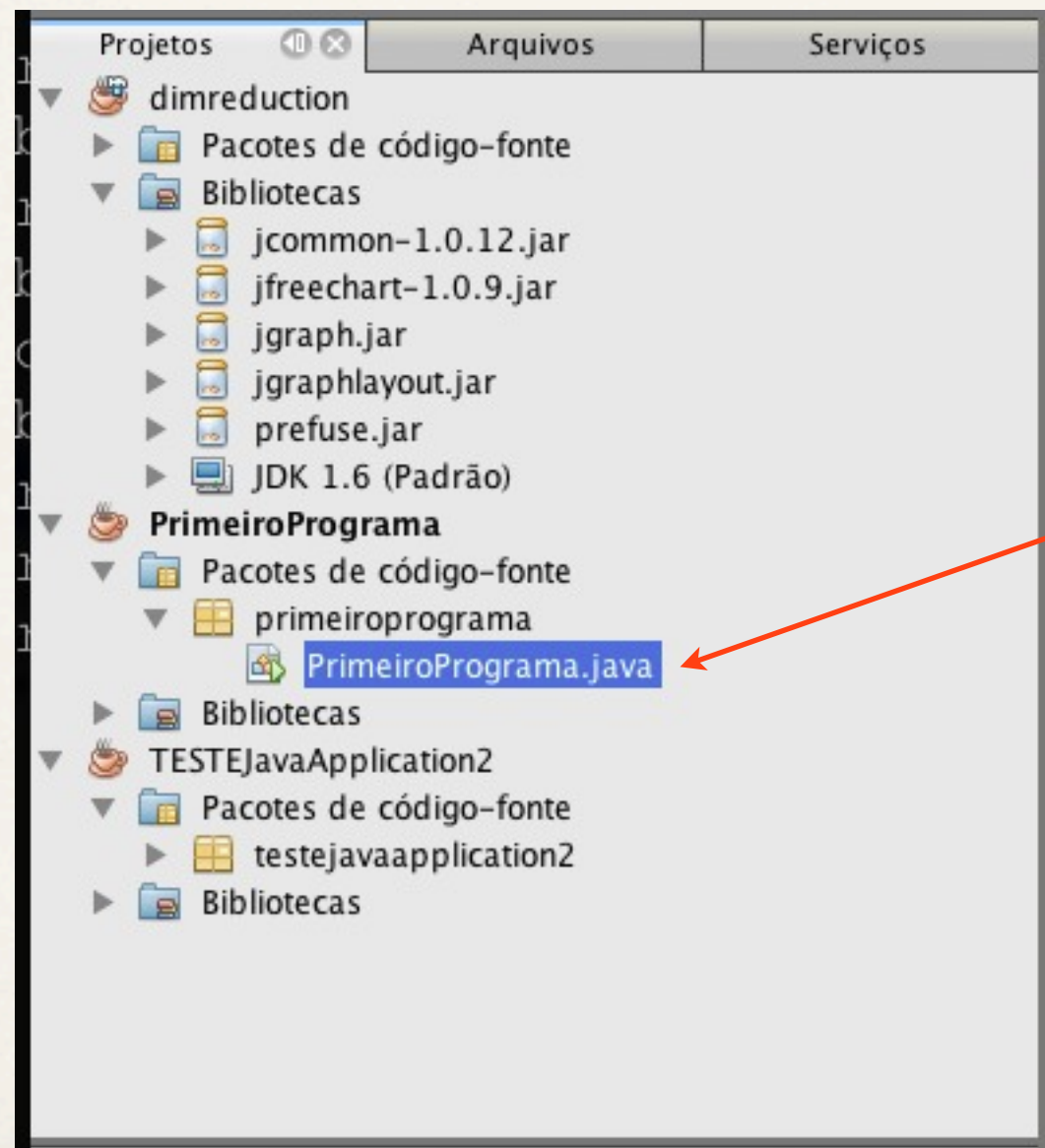
☒ Create Main Class helloworldapp.HelloWorldApp

☒ Set as Main Project

< Back Next > Finish Cancel Help

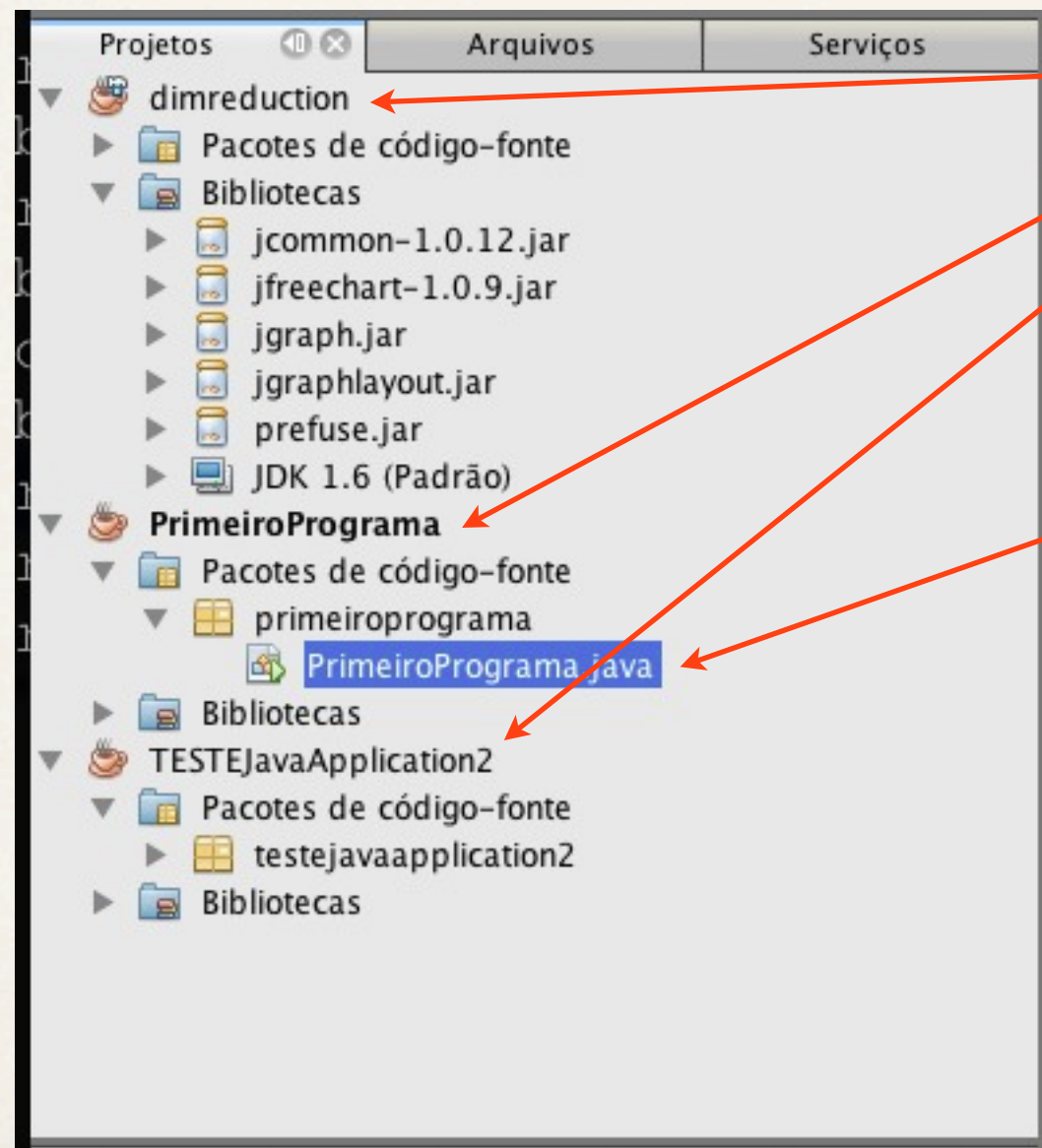
5. Clique em Terminar.

O ambiente NetBeans



Arquivos do pacote

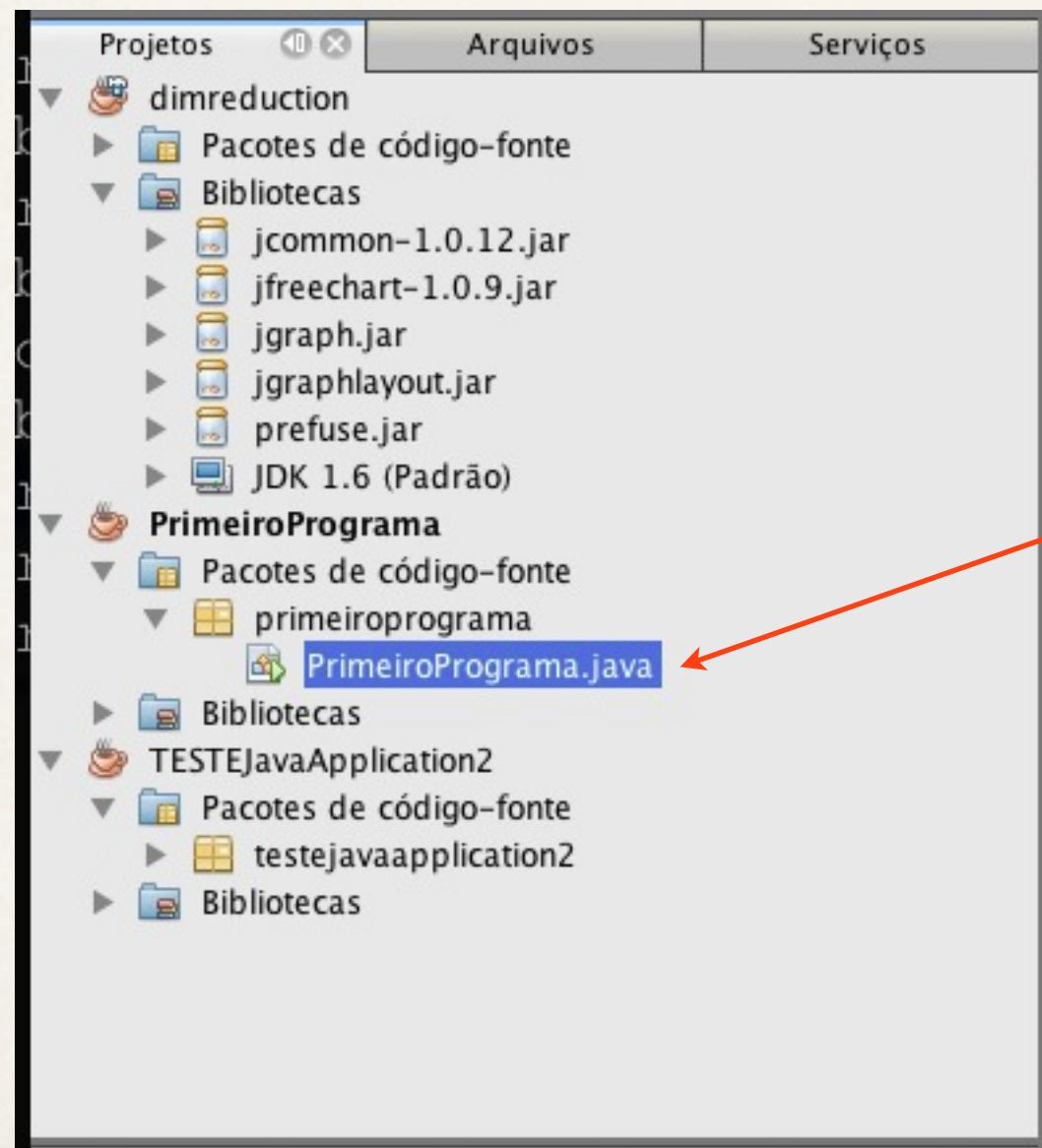
O ambiente NetBeans



Projetos

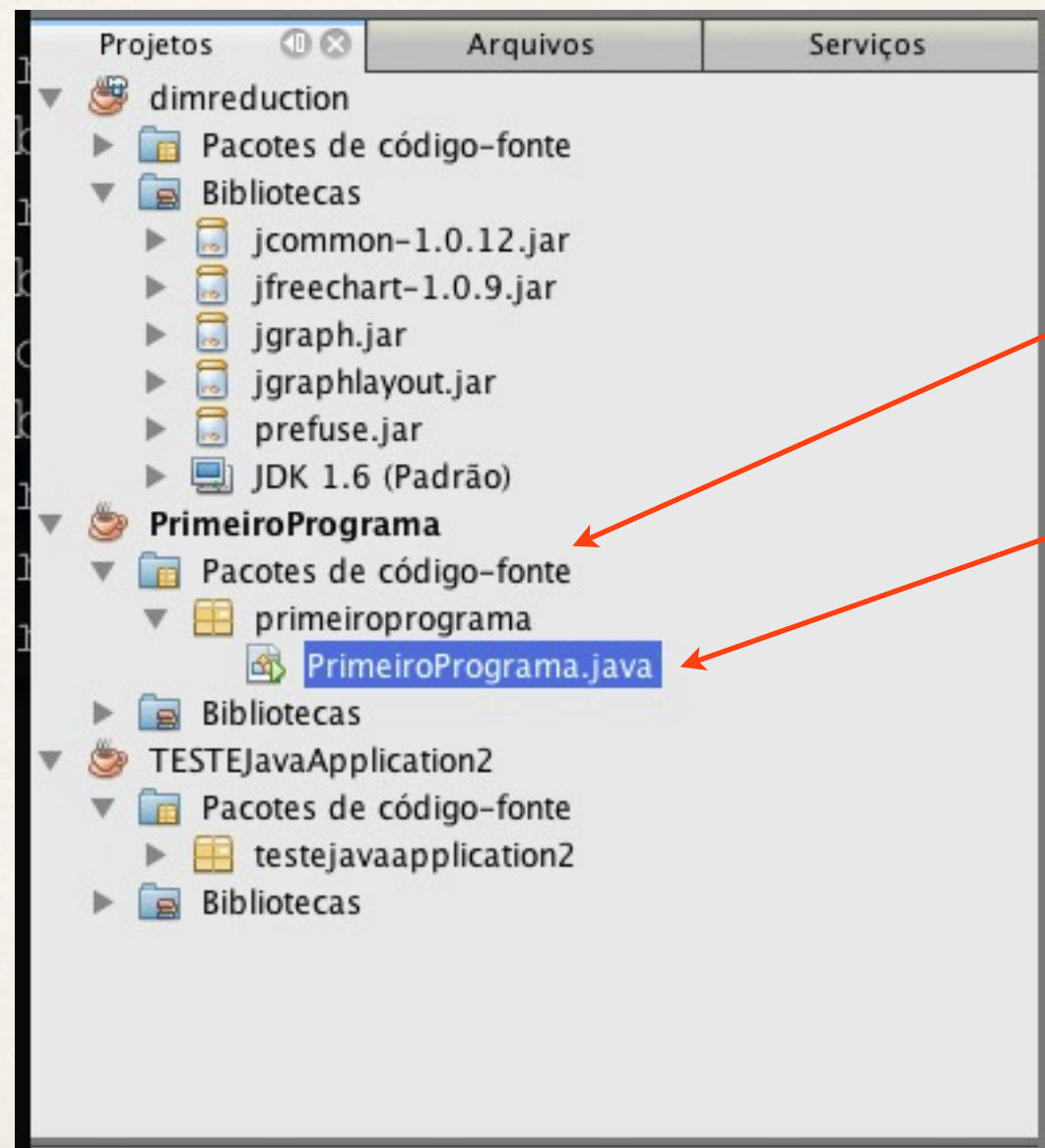
Arquivos do pacote

O ambiente NetBeans



Arquivos do pacote

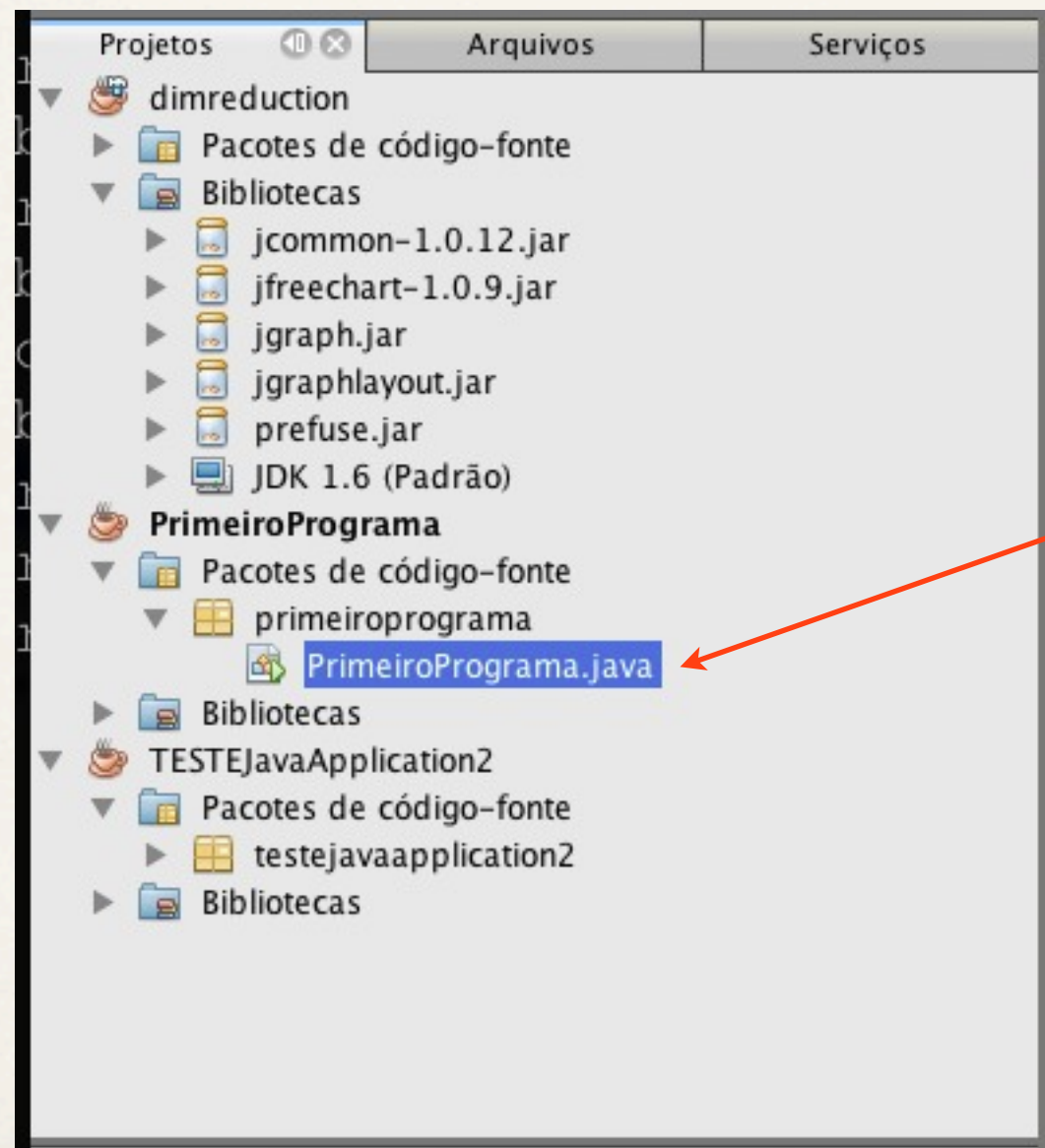
O ambiente NetBeans



Pasta dos pacotes

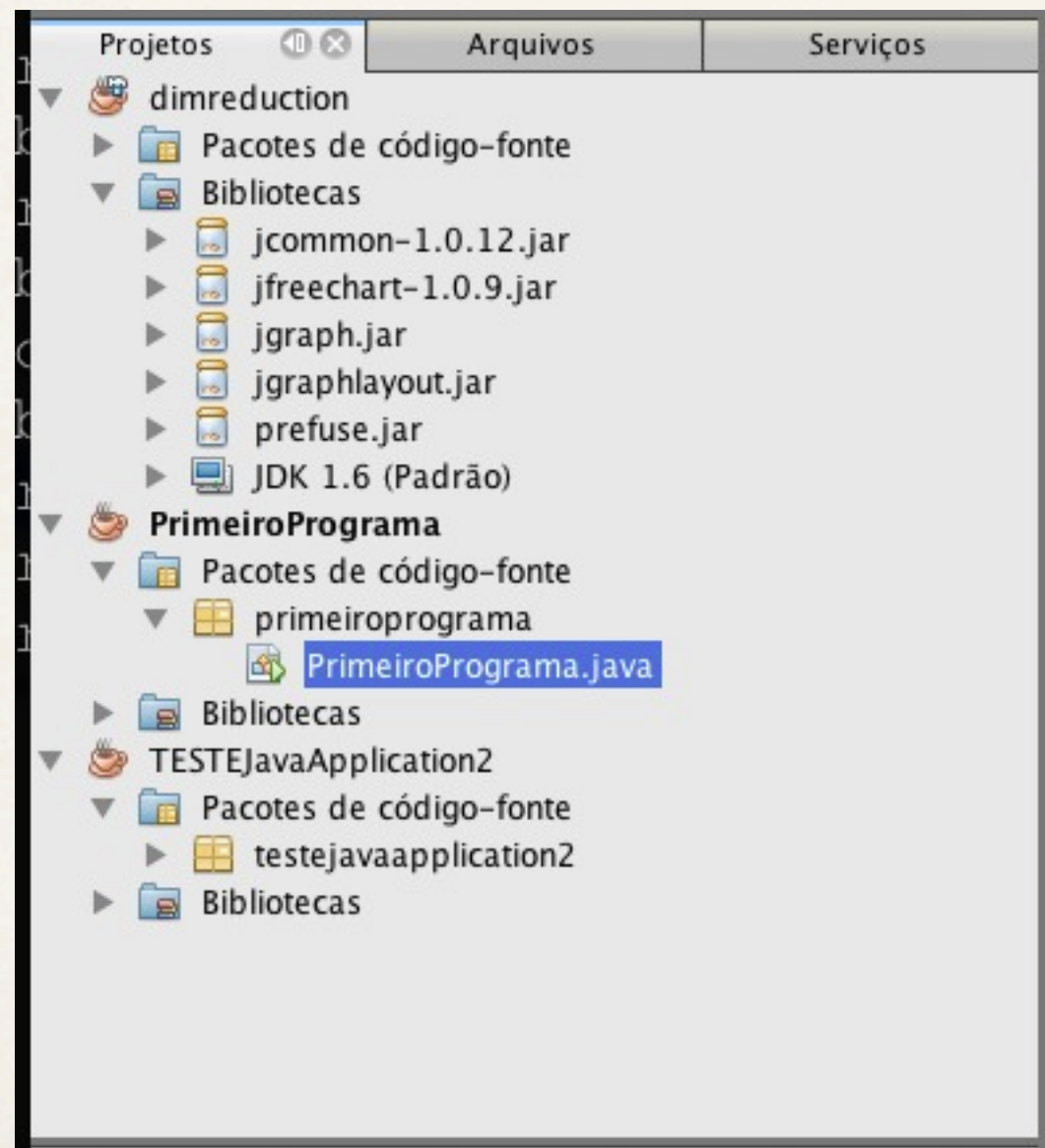
Arquivos do pacote

O ambiente NetBeans

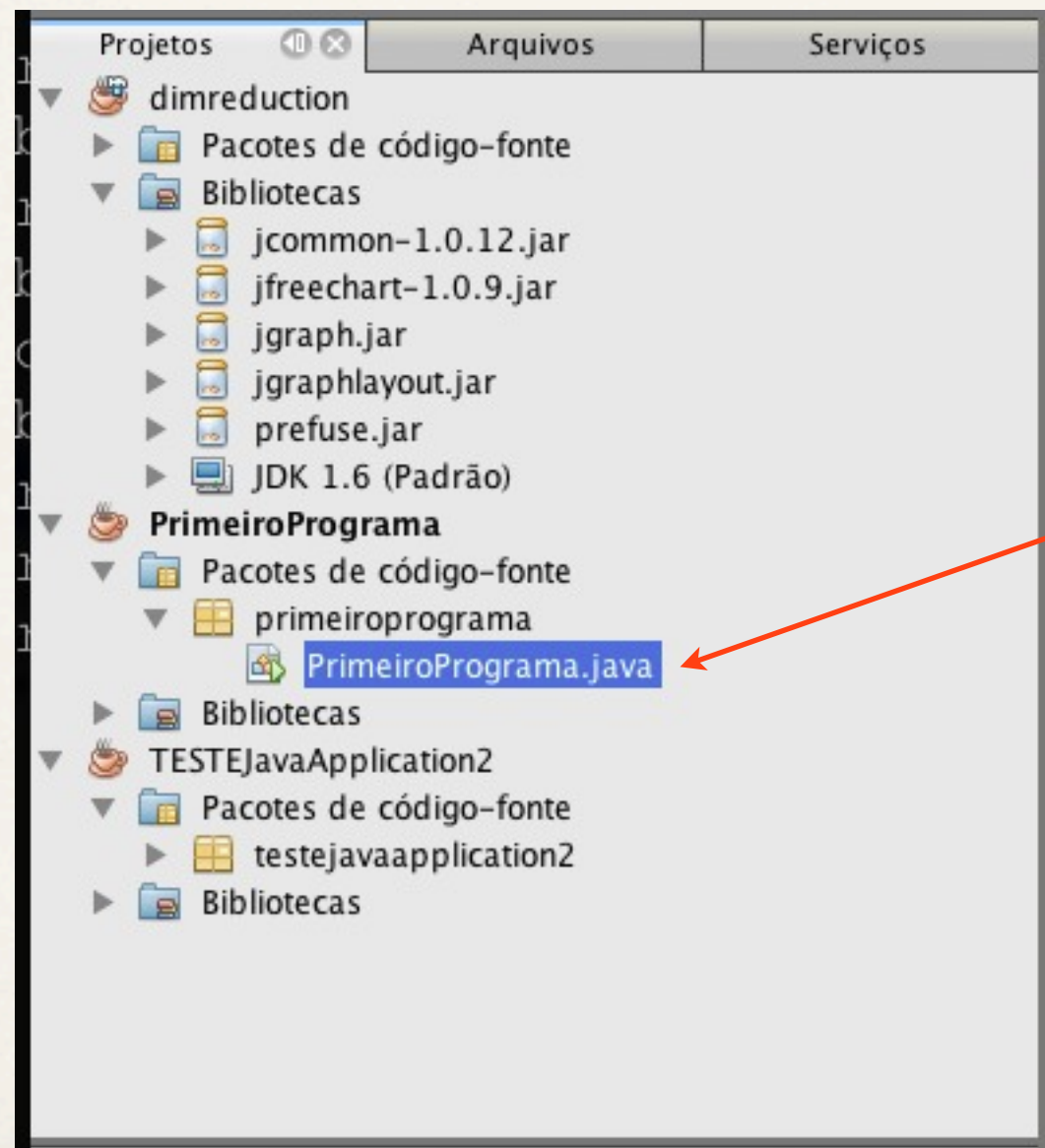


Arquivos do pacote

O ambiente NetBeans

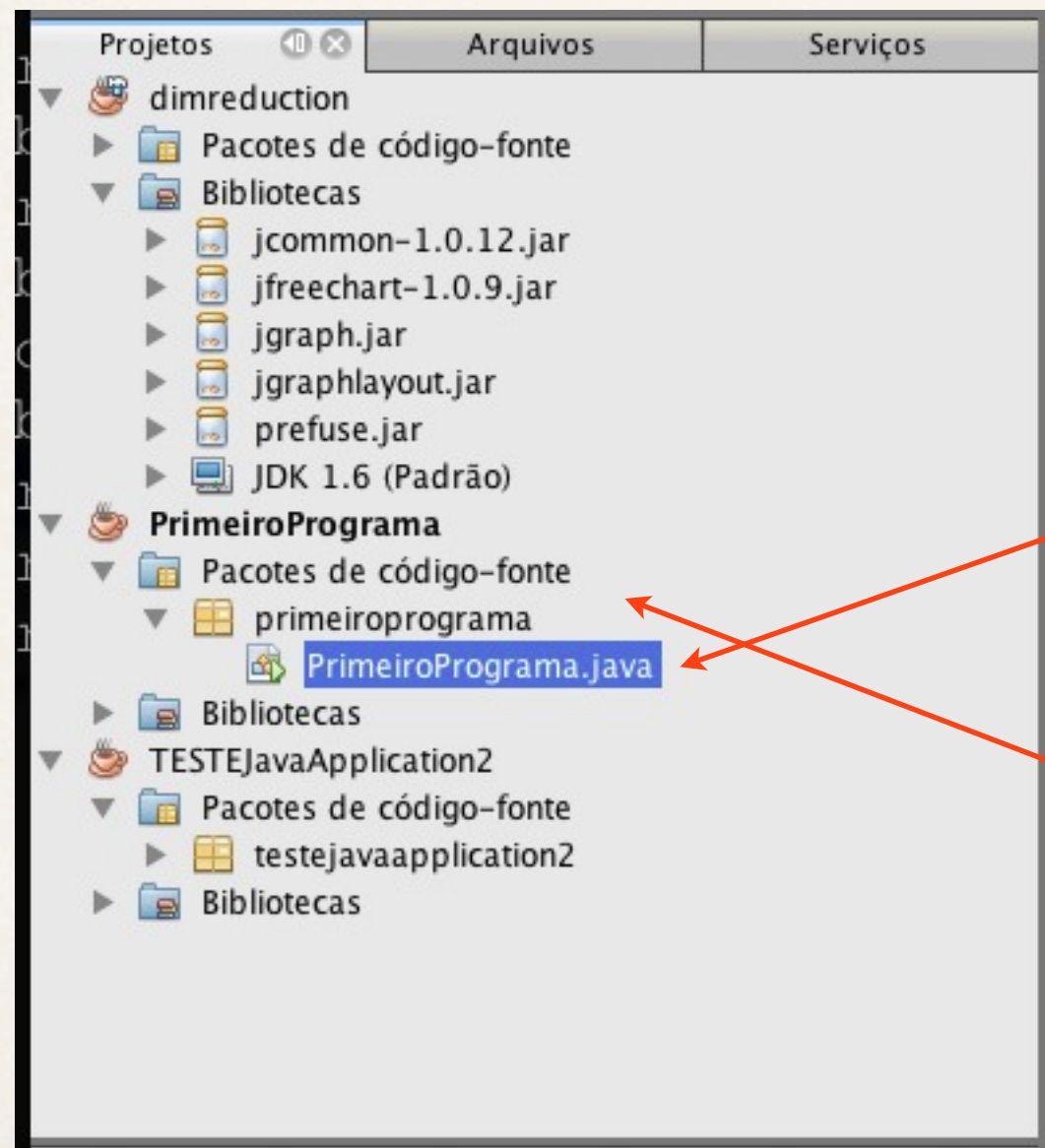


O ambiente NetBeans



Arquivos do pacote

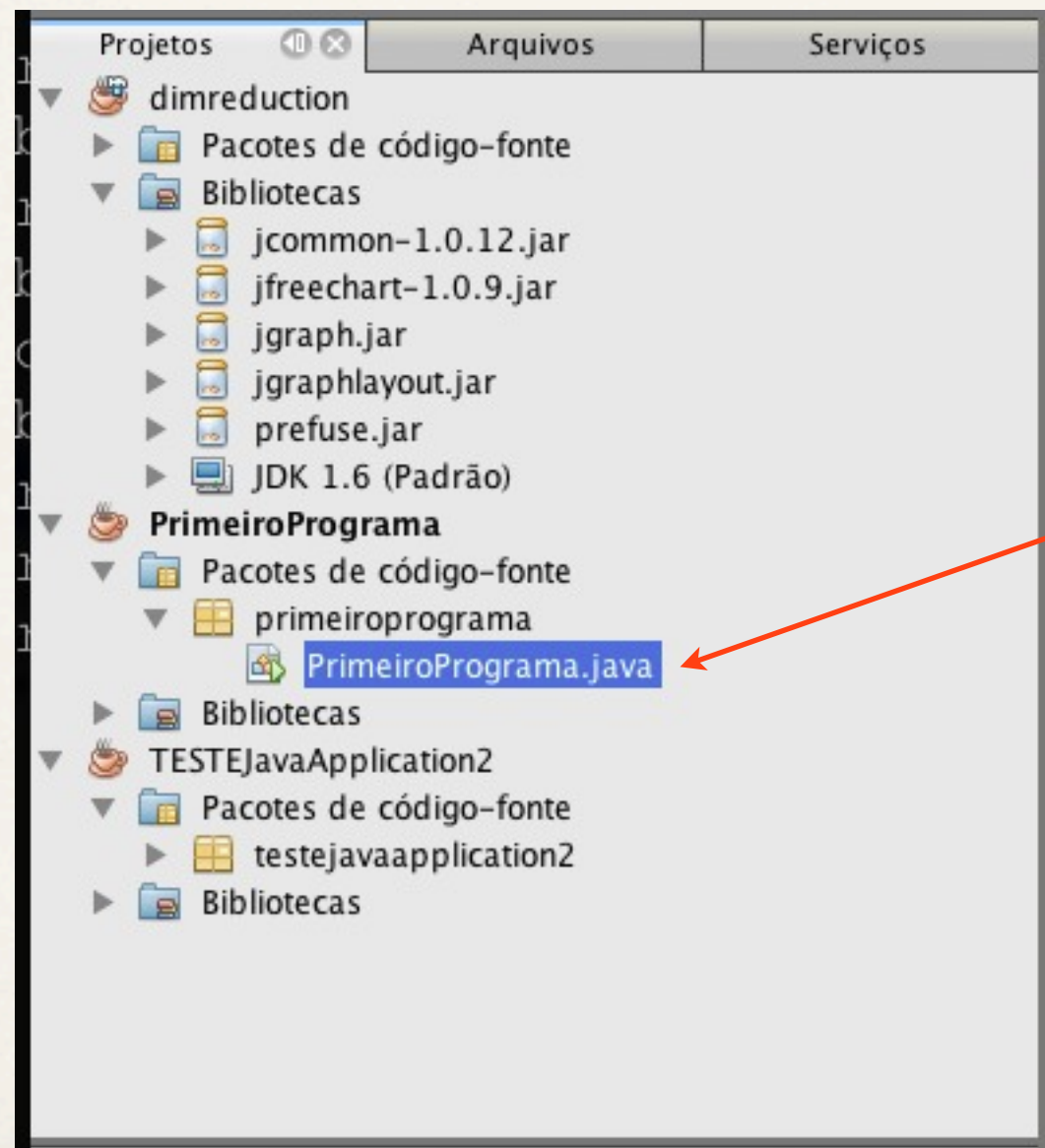
O ambiente NetBeans



Arquivos do pacote

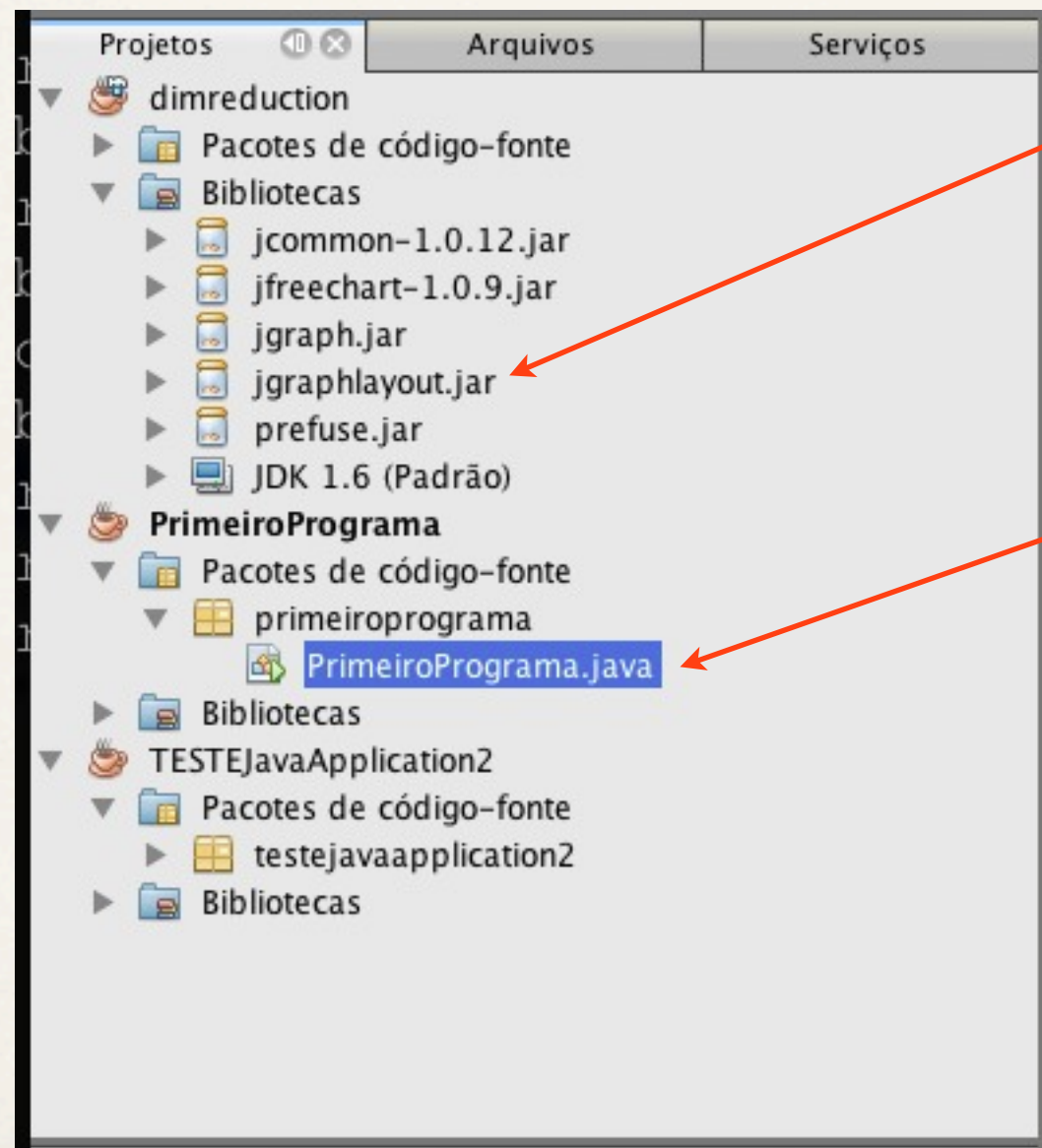
Pasta das bibliotecas (.jar)

O ambiente NetBeans



Arquivos do pacote

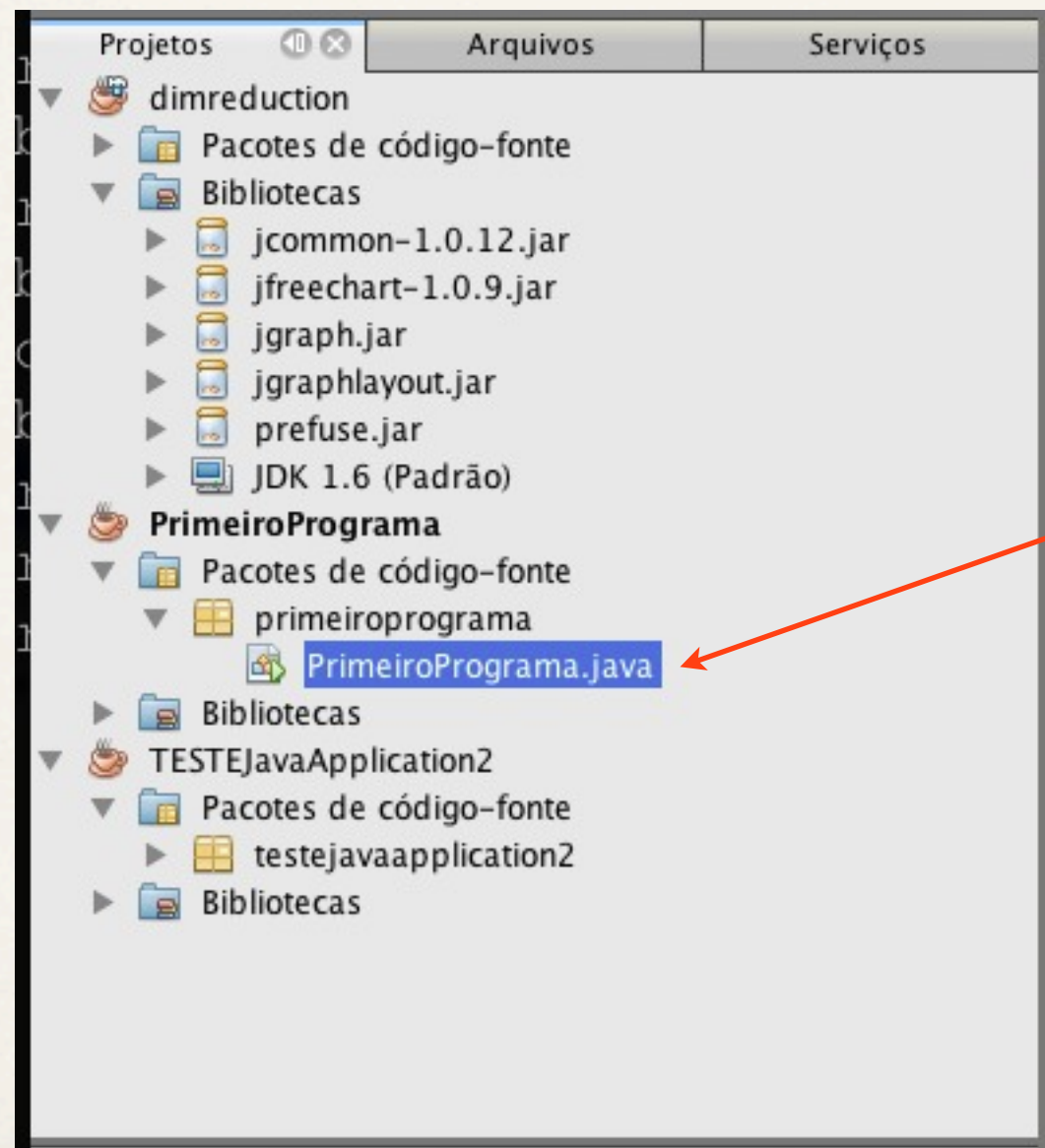
O ambiente NetBeans



Biblioteca

Arquivos do pacote

O ambiente NetBeans

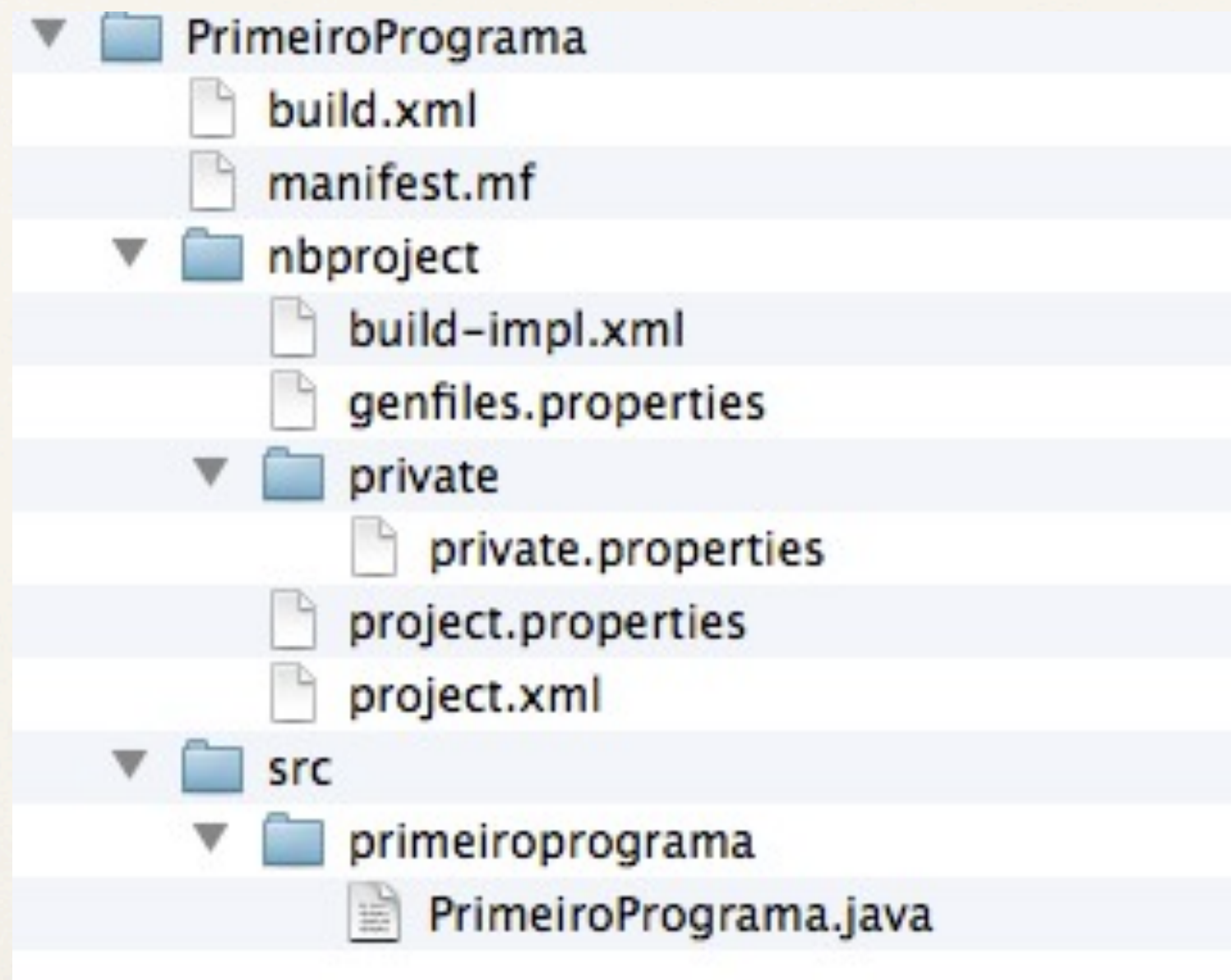


Arquivos do pacote

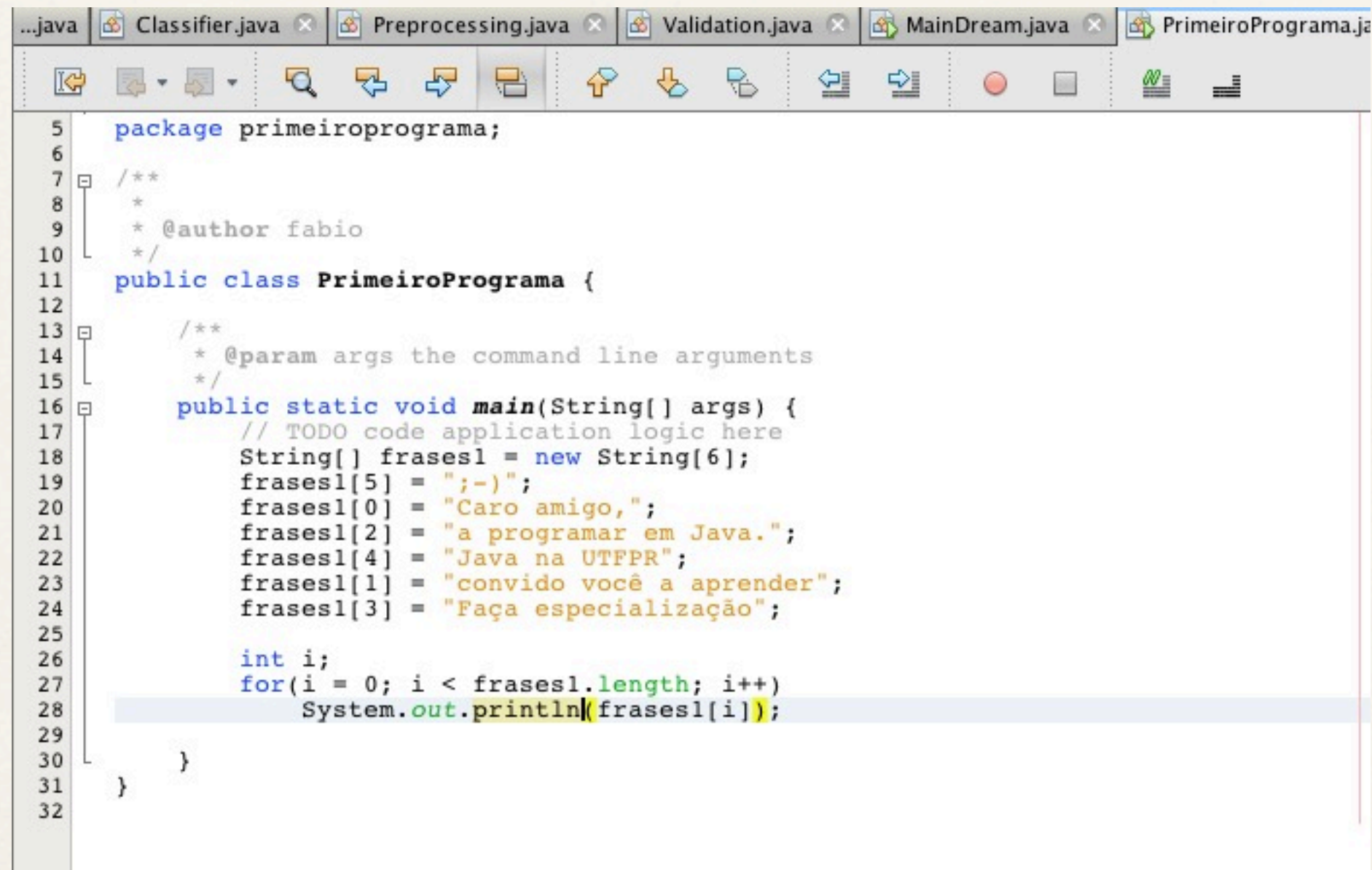


- nbproject: Arquivos do projeto (interface NetBeans, propriedades, etc.)
- src: códigos fonte .java
- manifest.mf: configuração

Uma “olhada” no diretório do projeto



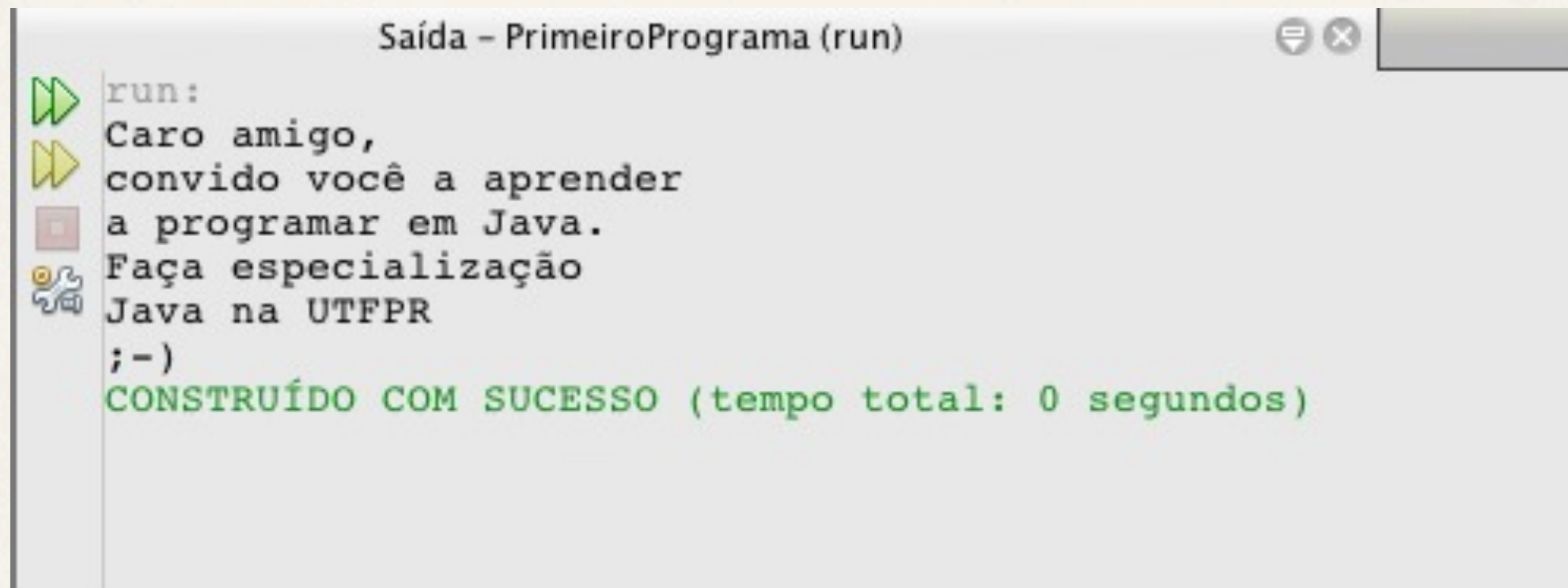
Janela de código



The screenshot shows an IDE window titled 'PrimeiroPrograma.java'. The code is as follows:

```
5 package primeiroprograma;
6
7 /**
8  *
9  * @author fabio
10  */
11 public class PrimeiroPrograma {
12
13     /**
14      * @param args the command line arguments
15      */
16     public static void main(String[] args) {
17         // TODO code application logic here
18         String[] frases1 = new String[6];
19         frases1[5] = ";-)";
20         frases1[0] = "Caro amigo,";
21         frases1[2] = "a programar em Java.";
22         frases1[4] = "Java na UTFPR";
23         frases1[1] = "convido você a aprender";
24         frases1[3] = "Faça especialização";
25
26         int i;
27         for(i = 0; i < frases1.length; i++)
28             System.out.println(frases1[i]);
29
30     }
31 }
32
```


Saída do programa



```
run:
Caro amigo,
convido você a aprender
a programar em Java.
Faça especialização
Java na UTFPR
;-)
CONSTRUÍDO COM SUCESSO (tempo total: 0 segundos)
```

Exercícios

Fim da Parte II
