



GERAÇÃO DE APLICATIVOS PARA BIOINFÓRMATICA

DOCENTE: TETSU SAKAMOTO

DISCENTE: GABRIEL B. MOTTA CÂMARA

DOCUMENTAÇÃO

- Explicação através de comentários sobre como o código funciona

```
10
11 namespace TestaDoc
12 {
13
14
15     public class Emails
16     {
17     }
18 }
19
```

```
11 namespace TestaDoc
12 {
13
14     /// <summary>
15     ///
16     /// </summary>
17     public class Emails
18     {
19     }
20 }
21
```

DOCUMENTAÇÃO

```
// A seguinte função recebe um número n >= 1  
// e um vetor v e devolve o valor de um  
// elemento máximo de v[0..n-1].
```

```
int max (int n, int v[]) {  
    int x = v[0];  
    for (int j = 1; j < n; j += 1)  
        if (x < v[j])  
            x = v[j];  
    return x;  
}
```

- Má documentação

devolve o valor de um elemento máximo de um vetor

- Não menciona os parâmetros

devolve o valor de um elemento máximo do vetor v

- Não diz o que é o parâmetro n

DOCUMENTAÇÃO

► Boas práticas

- Comentários são parte do código
- Falar o motivo de existência do código e como ele funciona
- Incluir um README com descrição, como instalar e tutorial
- Falar sobre as funções e variáveis, descrevendo o que cada uma faz
- Colocar as convenções utilizadas
- Colocar citações e licenças
- Listar as mudanças feitas por você
- Adicionar informações de contato
- Adicionar documentação de API

Project Title

Description

One Paragraph of project description goes here

Prerequisites

- List all the dependencies
- List what to install and how to install it

Installation

- A step by step instructions on how to install the software

Example that shows how the software works

Contributing

Issue Tracker: [github.com/project/issues](#)

License

Provide Licensing information

Citation

- How this software can be cited.
- Provide a DOI that was generated.

Contact

- Link to e-mail addresses or URLs

Add Function

```
int add ( int x, int y )
```

Description-

Adds two integers.

Parameters

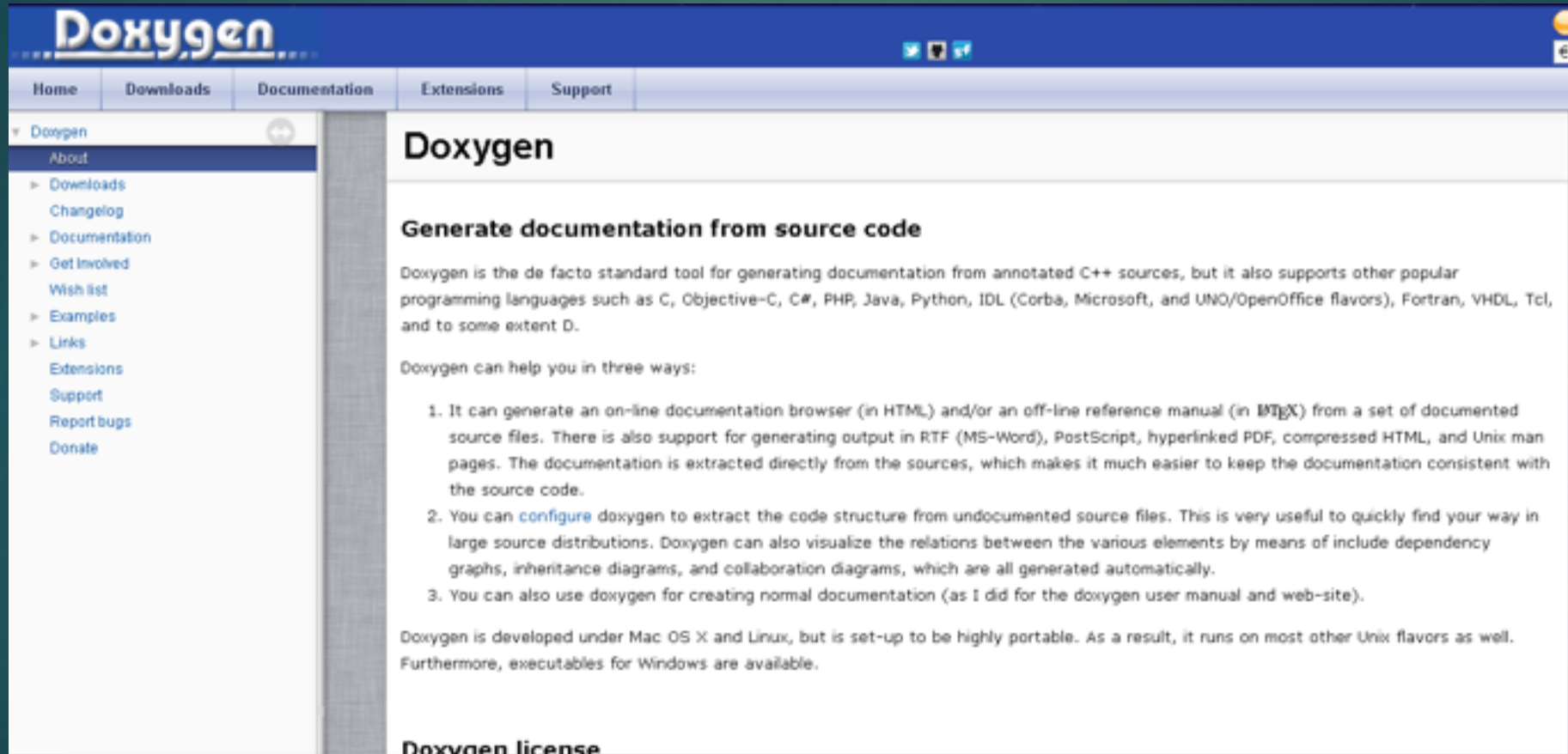
x The first integer

y The second integer.

What the function Returns

Two integers Added together.

DOXYGEN



DOXYGEN



- ▶ Dimitri van Heesch
- ▶ C++
- ▶ Multiplataforma
- ▶ Licença GNU
- ▶ Saídas: HTML, CHM, RTF, PDF, LaTeX, PostScript
- ▶ Linguagens: C/C++, Objective-C, C#, PHP, Java, Python, VHDL

DOXYGEN

[Main Page](#) | [Class List](#) | [Class Members](#)

Time Class Reference

[List of all members.](#)

Public Member Functions

[Time](#) (int timemillis)

Static Public Member Functions

[Time](#) [new](#) ()

Detailed Description

The time class represents a moment of time.

Author:
John Doe

Constructor & Destructor Documentation

Time::Time(int timemillis) [inline]

Constructor that sets the time to a given value.

Parameters:
timemillis is a number of milliseconds passed since Jan 1, 1970

Member Function Documentation


Time **Time::new**() [inline, static]

Get the current time.

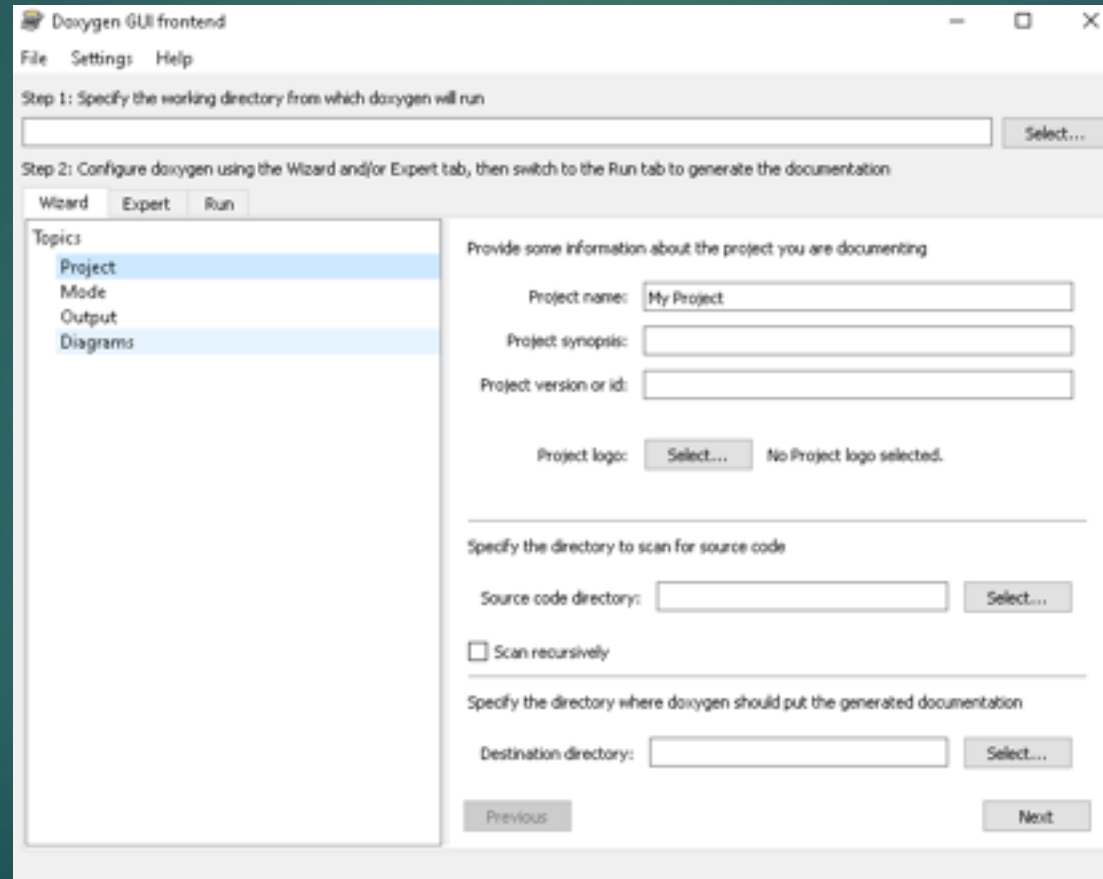
Returns:
A time object set to the current time.

The documentation for this class was generated from the following file:

- test.cpp

Generated on Thu May 29 14:48:14 2003 by  1.3.8

DOXYGEN



The screenshot shows the 'Doxygen GUI frontend' window. At the top, there is a menu bar with 'File', 'Settings', and 'Help'. Below the menu bar, the window is divided into two main sections. The top section is for 'Step 1: Specify the working directory from which doxygen will run', featuring a text input field and a 'Select...' button. The bottom section is for 'Step 2: Configure doxygen using the Wizard and/or Expert tab, then switch to the Run tab to generate the documentation'. This section has three tabs: 'Wizard' (selected), 'Expert', and 'Run'. On the left side of the 'Wizard' tab, there is a 'Topics' list with 'Project', 'Mode', 'Output', and 'Diagrams'. The 'Project' topic is selected. The main area of the 'Wizard' tab contains several configuration fields: 'Project name:' with the value 'My Project', 'Project synopsis:', 'Project version or id:', and 'Project logo:' with a 'Select...' button and the text 'No Project logo selected.'. Below these fields, there is a section for 'Specify the directory to scan for source code' with a 'Source code directory:' field and a 'Select...' button, and a checkbox for 'Scan recursively'. At the bottom, there is a section for 'Specify the directory where doxygen should put the generated documentation' with a 'Destination directory:' field and a 'Select...' button. Finally, there are 'Previous' and 'Next' buttons at the bottom of the window.

Doxygen GUI frontend

File Settings Help

Step 1: Specify the working directory from which doxygen will run

Step 2: Configure doxygen using the Wizard and/or Expert tab, then switch to the Run tab to generate the documentation

Wizard Expert Run

Topics

- Project
- Mode
- Output
- Diagrams

Provide some information about the project you are documenting

Project name: My Project

Project synopsis:

Project version or id:

Project logo: Select... No Project logo selected.

Specify the directory to scan for source code

Source code directory: Select...

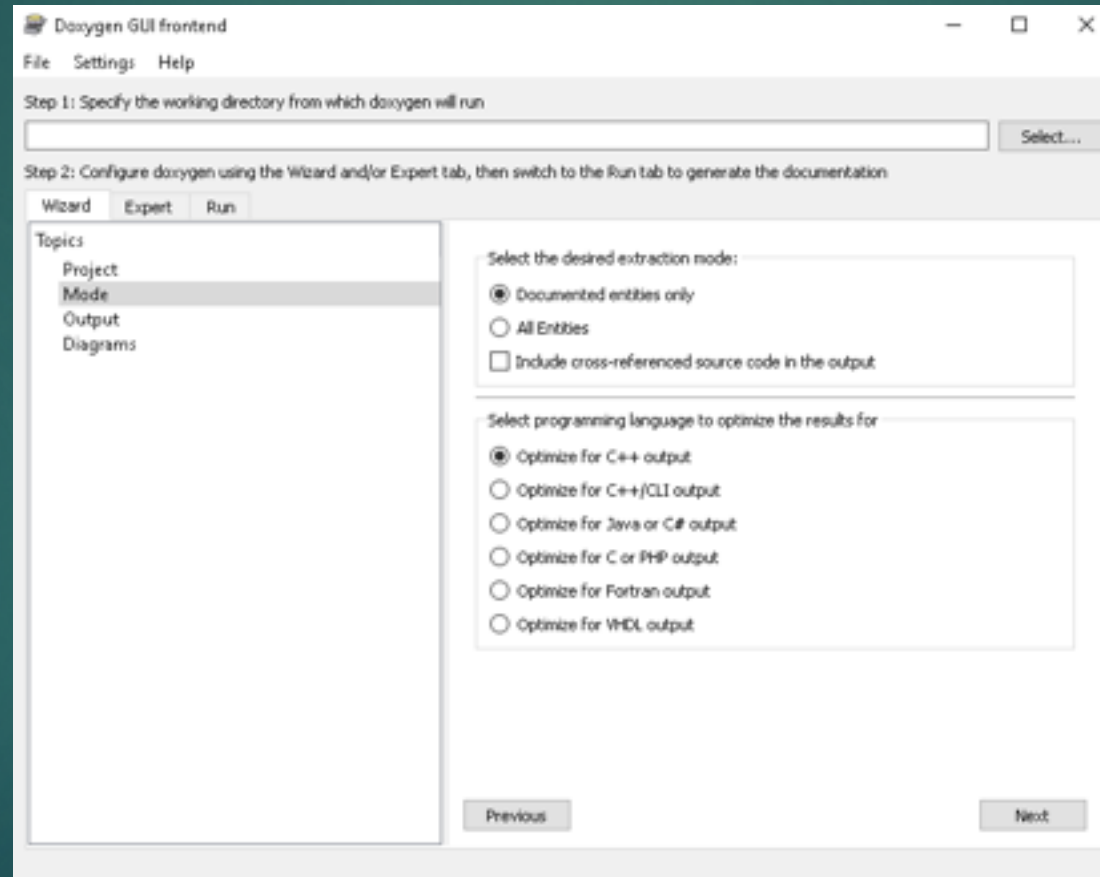
☐ Scan recursively

Specify the directory where doxygen should put the generated documentation

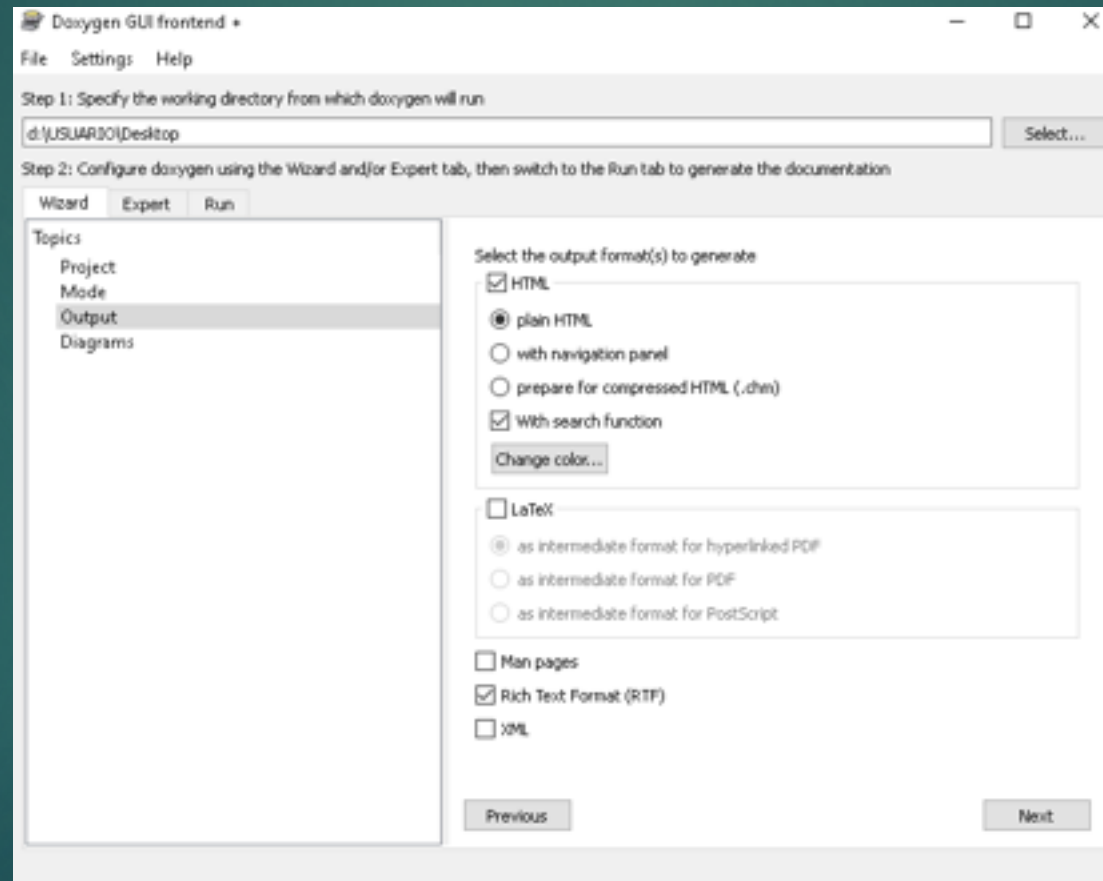
Destination directory: Select...

Previous Next

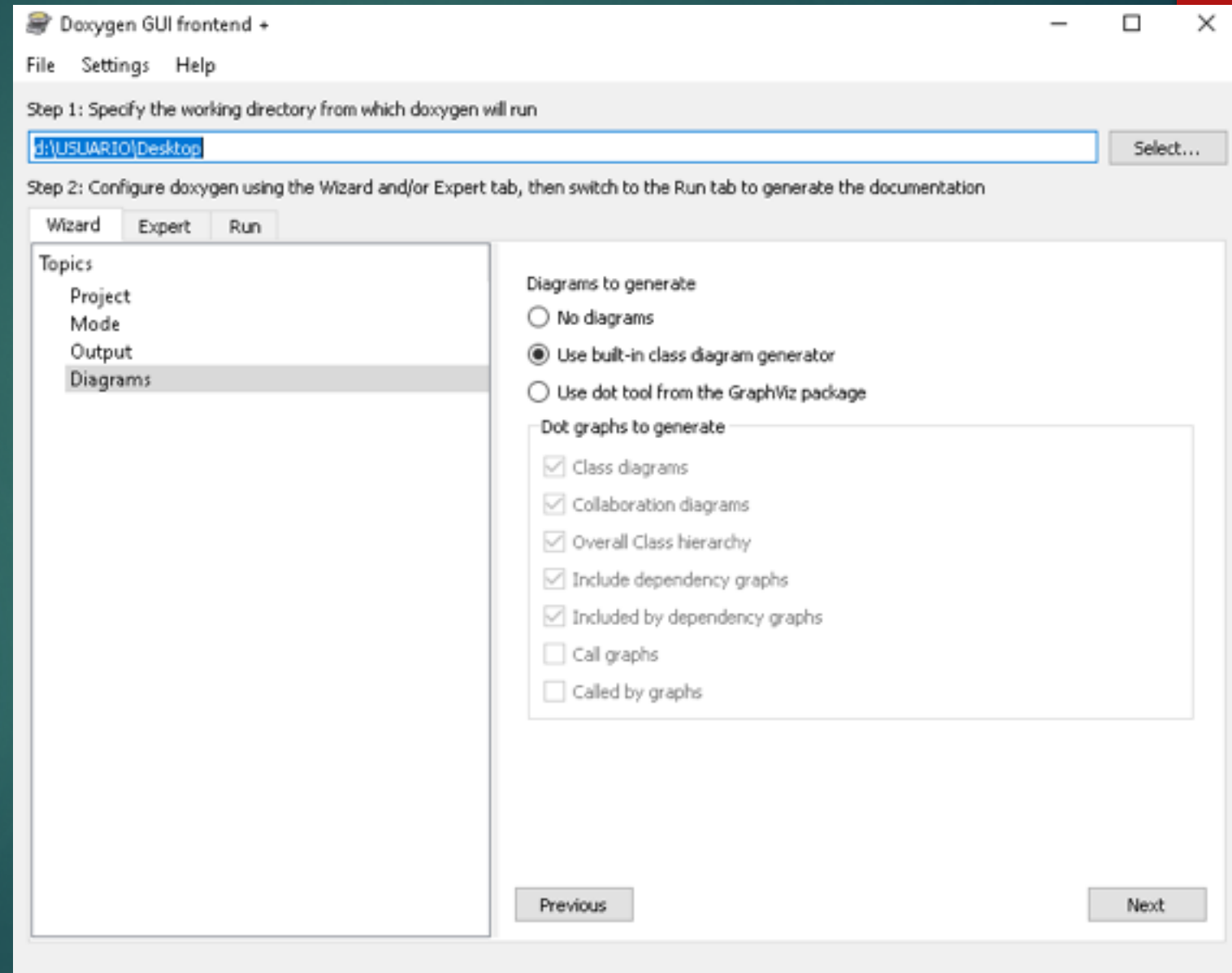
DOXYGEN



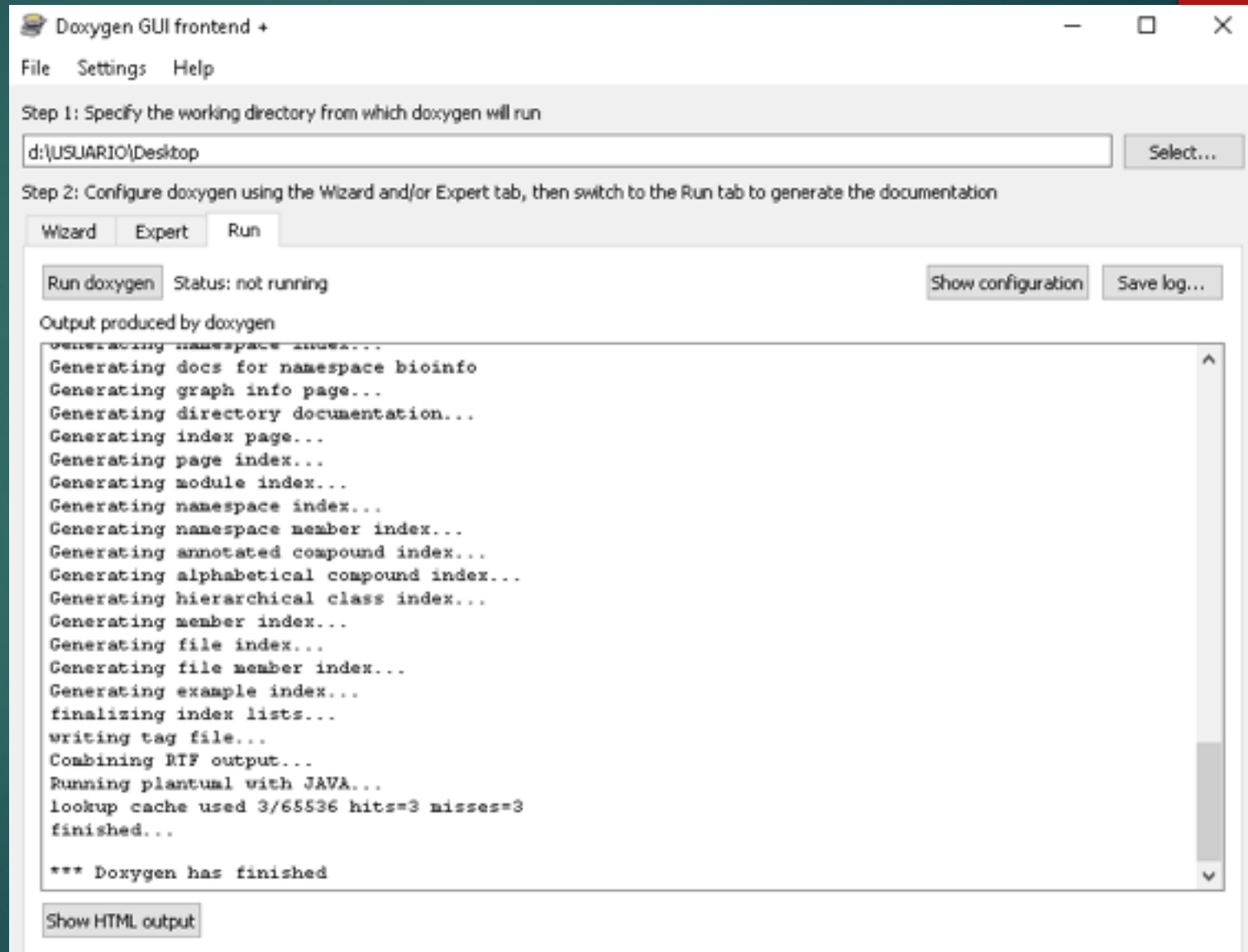
DOXYGEN



DOXYGEN



DOXYGEN



▸ Namespace Documentation

bioinfo Namespace Reference

Variables

- n1
- n2
- n3

Variable Documentation

bioinfo.n1

bioinfo.n2

bioinfo.n3

HTML

Exemplo Bioinfo 1.0

Exemplo para a disciplina aplicativos para bioinfo

[Main Page](#)[Namespaces ▾](#)[Files ▾](#)

Here is a list of all namespace members with links to the namespace documentation for each member:

- [n1 : bioinfo](#)
- [n2 : bioinfo](#)
- [n3 : bioinfo](#)

Generated by [doxygen](#) 1.8.16

OUTROS SOFTWARES



R Markdown

from  Studio

GhostDoc

Painless Code Documentation

GhostDoc is a Visual Studio extension for developers who need to Generate XML Comments from source code using customizable templates, maintain clean and up-to-date documentation, produce help documentation in multiple formats, use intelligent source code Spell Checker in Visual Studio, and more.

Javadoc Tool

Javadoc is a tool for generating API documentation in HTML format from doc comments in source code. It can be [downloaded](#) only as part of the Java 2 SDK. To see documentation generated by the Javadoc tool, go to [J2SE 1.5.0 API Documentation](#).