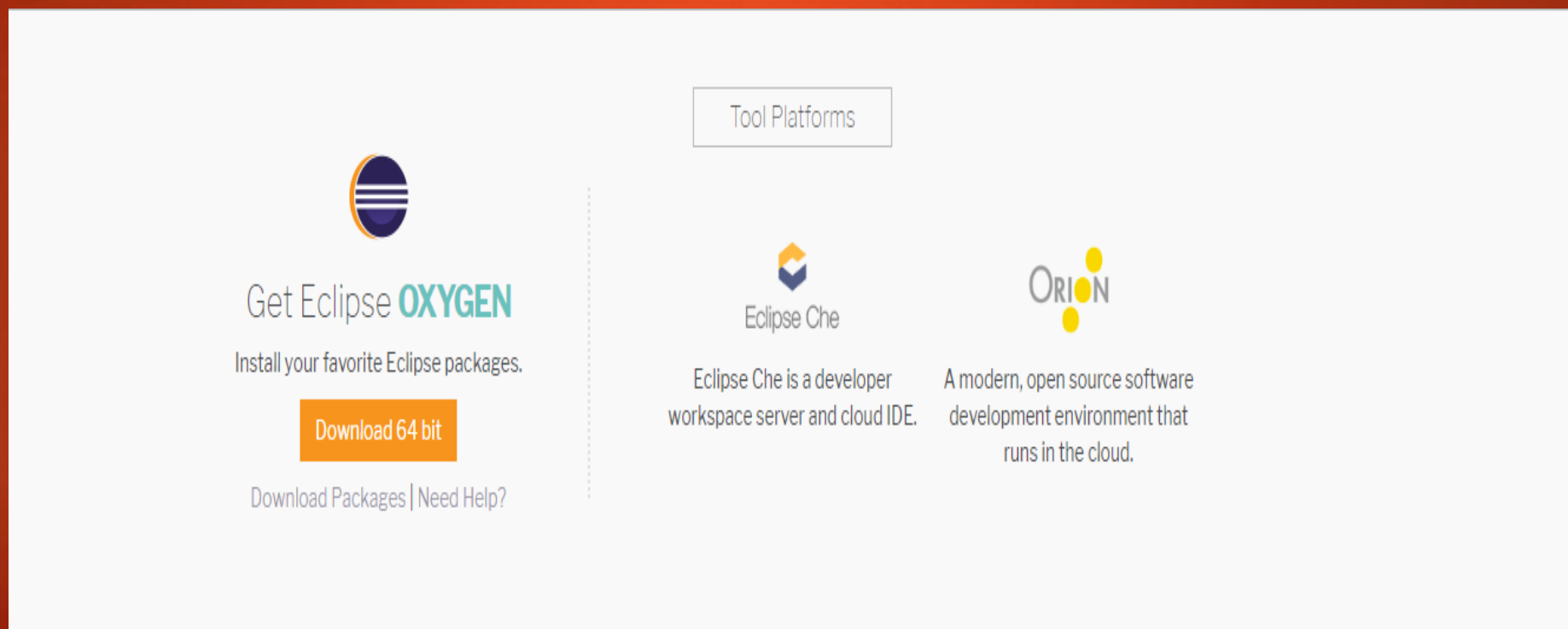


JAVA ECLIPSE

INSTALACJA I PRZYKŁADOWY PROGRAM

Pobieranie

- ▶ Należy wejść na stronę: <http://www.eclipse.org/downloads/> i wybrać przycisk download



Instalacja

- ▶ Należy wybrać opcję Eclipse IDE for Java Developers



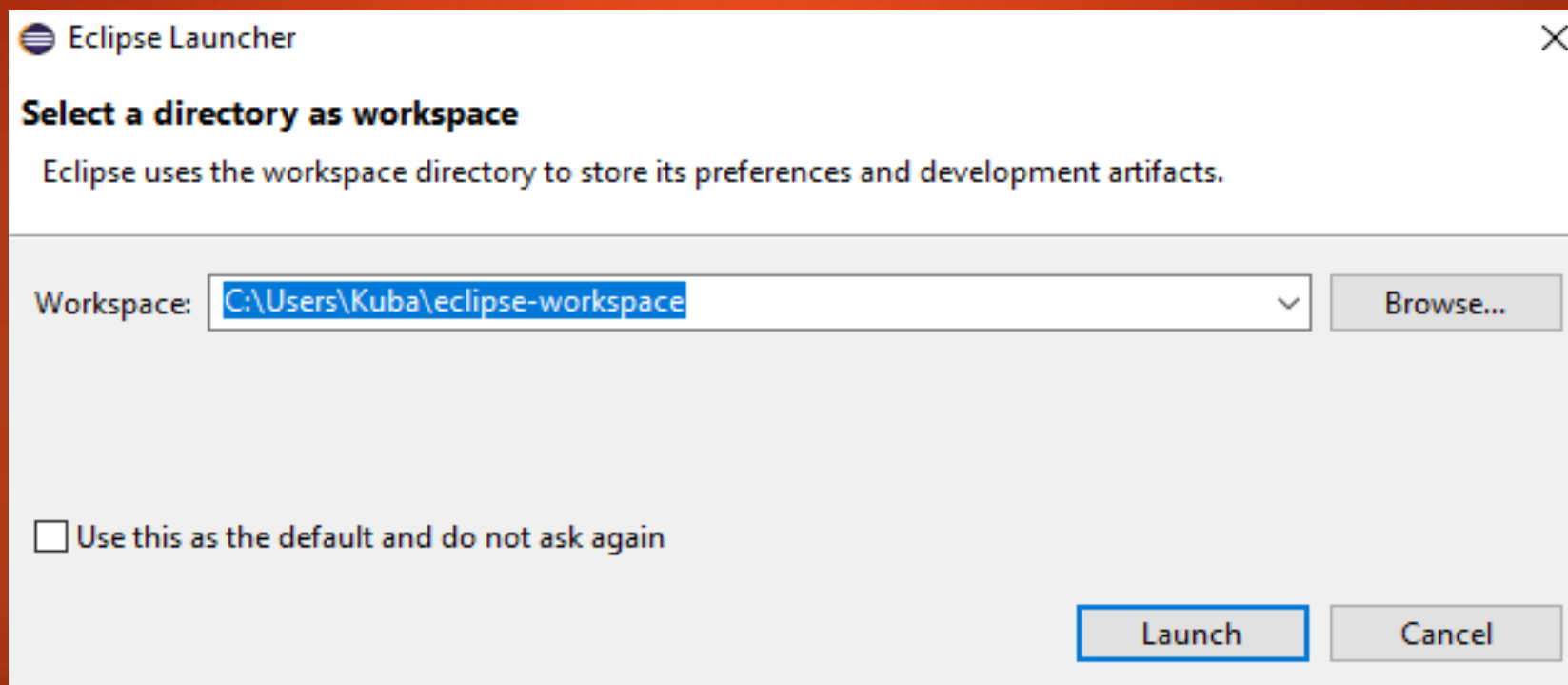
Instalacja

- ▶ Należy poczekać, aż proces instalacyjny zostanie zakończony



Instalacja

- ▶ Należy wybrać lokalizację zapisu projektów

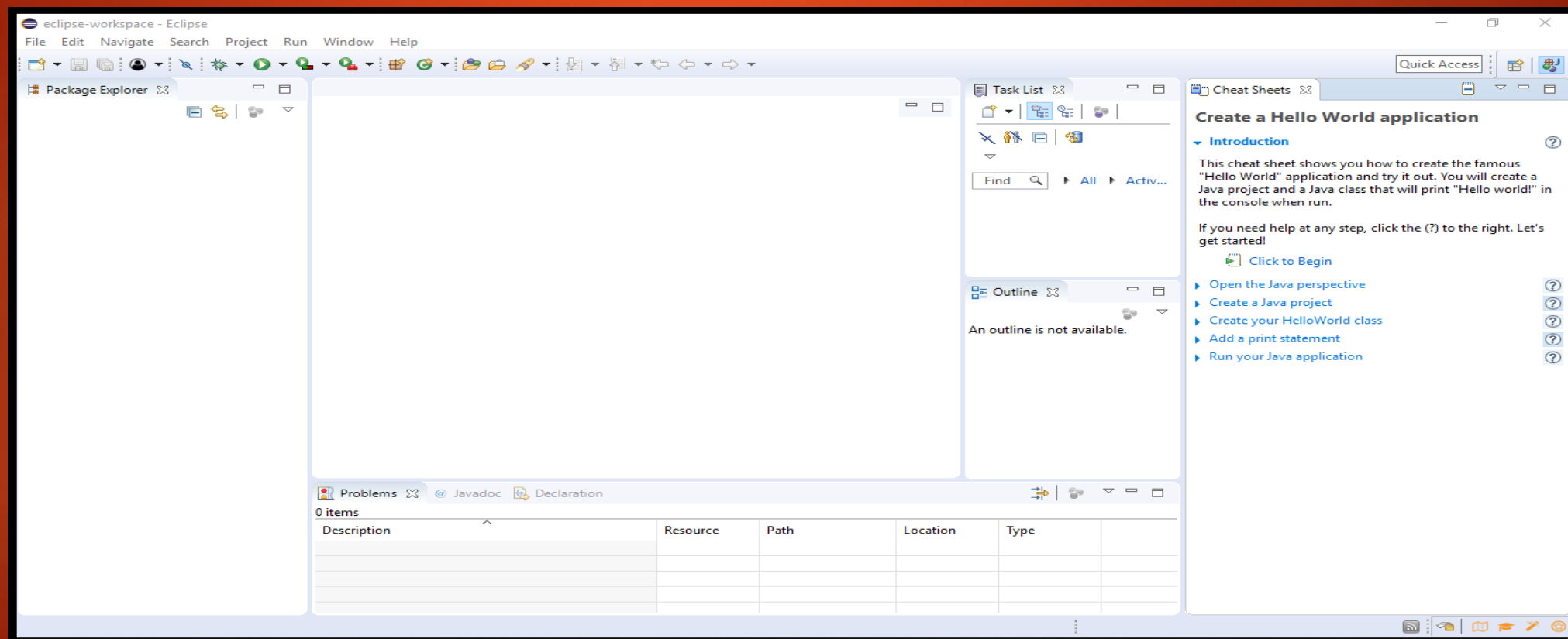


Uruchomienie



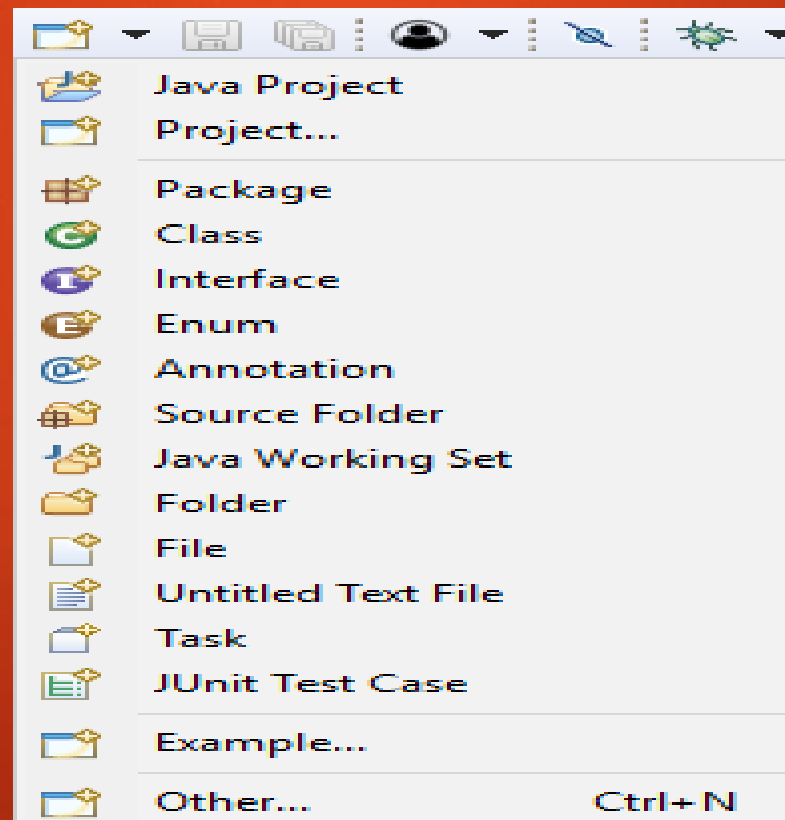
Pierwszy program

- ▶ Należy wejść w zakładkę "package explorer"

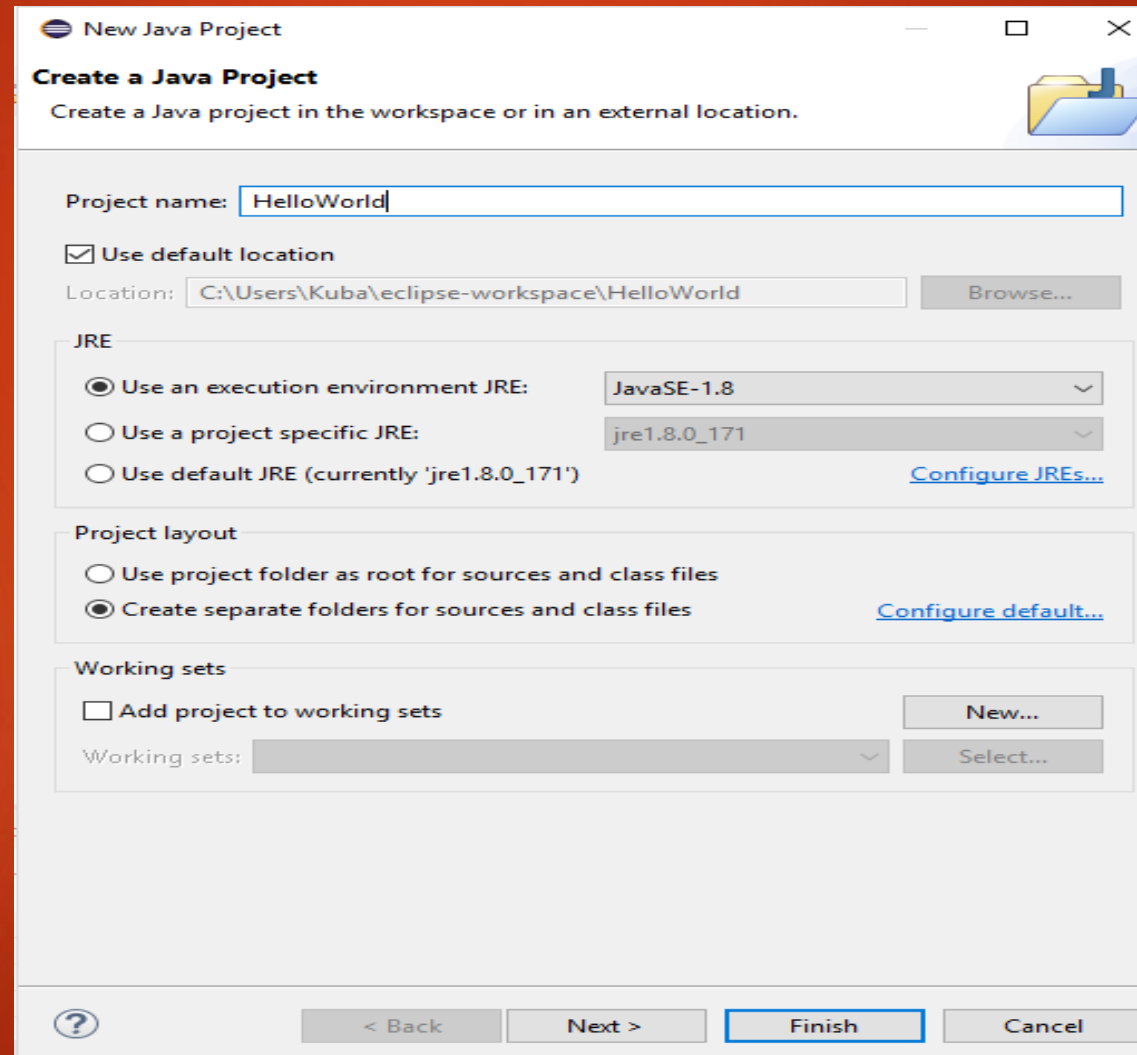


Pierwszy program

- ▶ Należy wejść w okienko w lewym górnym rogu ekranu i kliknąć "new java project"



Program HelloWorld



The screenshot shows the 'New Java Project' dialog box in the Eclipse IDE. The dialog is titled 'New Java Project' and has a subtitle 'Create a Java Project'. Below the subtitle, it says 'Create a Java project in the workspace or in an external location.' The 'Project name' field is filled with 'HelloWorld'. The 'Use default location' checkbox is checked, and the 'Location' field shows 'C:\Users\Kuba\eclipse-workspace\HelloWorld'. The 'JRE' section has three radio buttons: 'Use an execution environment JRE' (selected), 'Use a project specific JRE', and 'Use default JRE (currently 'jre1.8.0_171')'. The 'Use an execution environment JRE' option has a dropdown menu showing 'JavaSE-1.8'. The 'Use a project specific JRE' option has a dropdown menu showing 'jre1.8.0_171'. The 'Use default JRE' option has a link 'Configure JREs...'. The 'Project layout' section has two radio buttons: 'Use project folder as root for sources and class files' and 'Create separate folders for sources and class files' (selected). The 'Create separate folders' option has a link 'Configure default...'. The 'Working sets' section has a checkbox 'Add project to working sets' which is unchecked. There is a 'New...' button next to it. Below the checkbox is a 'Working sets' dropdown menu and a 'Select...' button. At the bottom of the dialog, there are four buttons: '< Back', 'Next >', 'Finish', and 'Cancel'. The 'Finish' button is highlighted with a blue border.

New Java Project

Create a Java Project

Create a Java project in the workspace or in an external location.

Project name: HelloWorld

☒ Use default location

Location: C:\Users\Kuba\eclipse-workspace\HelloWorld Browse...

JRE

☒ Use an execution environment JRE: JavaSE-1.8

☐ Use a project specific JRE: jre1.8.0_171

☐ Use default JRE (currently 'jre1.8.0_171') [Configure JREs...](#)

Project layout

☐ Use project folder as root for sources and class files

☒ Create separate folders for sources and class files [Configure default...](#)

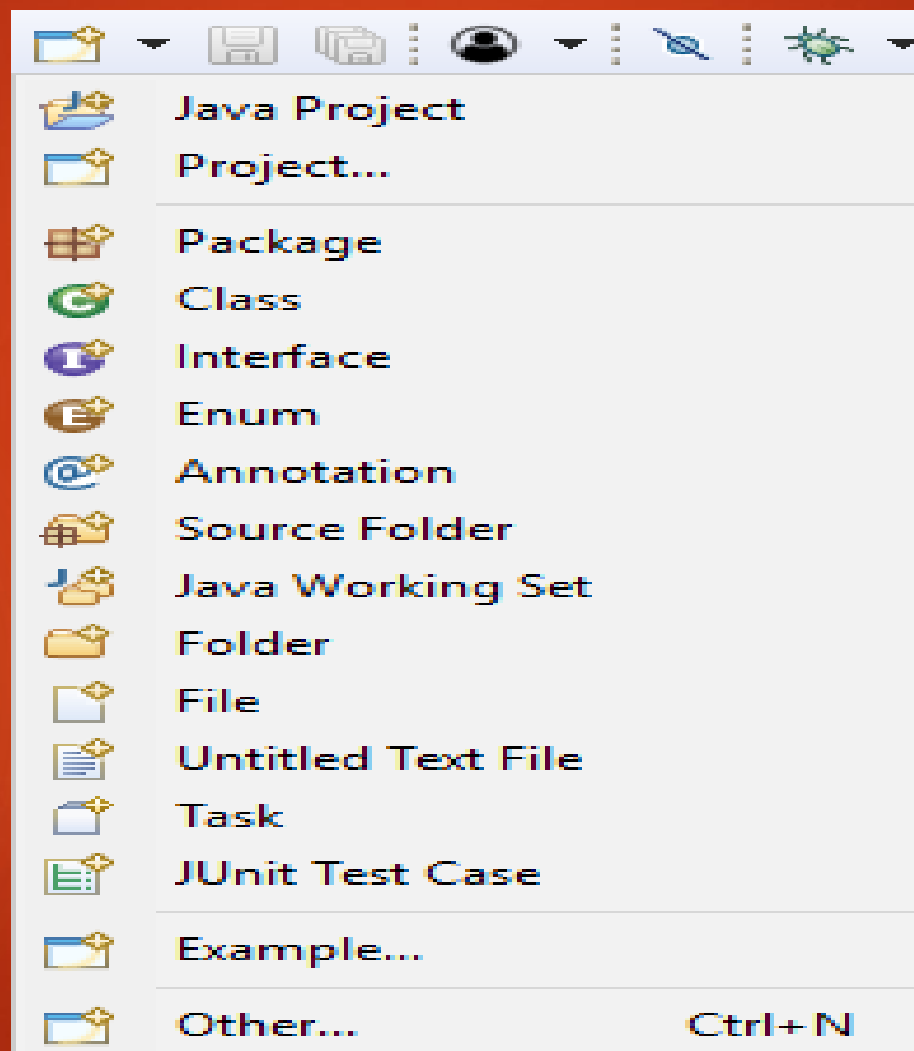
Working sets

☐ Add project to working sets New...

Working sets: Select...


? < Back Next > Finish Cancel


- ▶ Następnie należy stworzyć nową klasę, w tym celu ponownie z okienka w lewym górnym rogu ekranu wybieramy "class"



New Java Class

Java Class



 The use of the default package is discouraged.

Source folder:

HelloWorld/src

Browse...

Package:

(default)

Browse...

☐ Enclosing type:

Browse...

Name:

HelloWorld

Modifiers:

☒ public

☐ package

☐ private

☐ protected

☐ abstract

☐ final

☐ static

Superclass:

java.lang.Object

Browse...

Interfaces:

Add...

Remove

Which method stubs would you like to create?


☒ public static void main(String[] args)

☐ Constructors from superclass

☐ Inherited abstract methods

Do you want to add comments? (Configure templates and default value [here](#))

☐ Generate comments

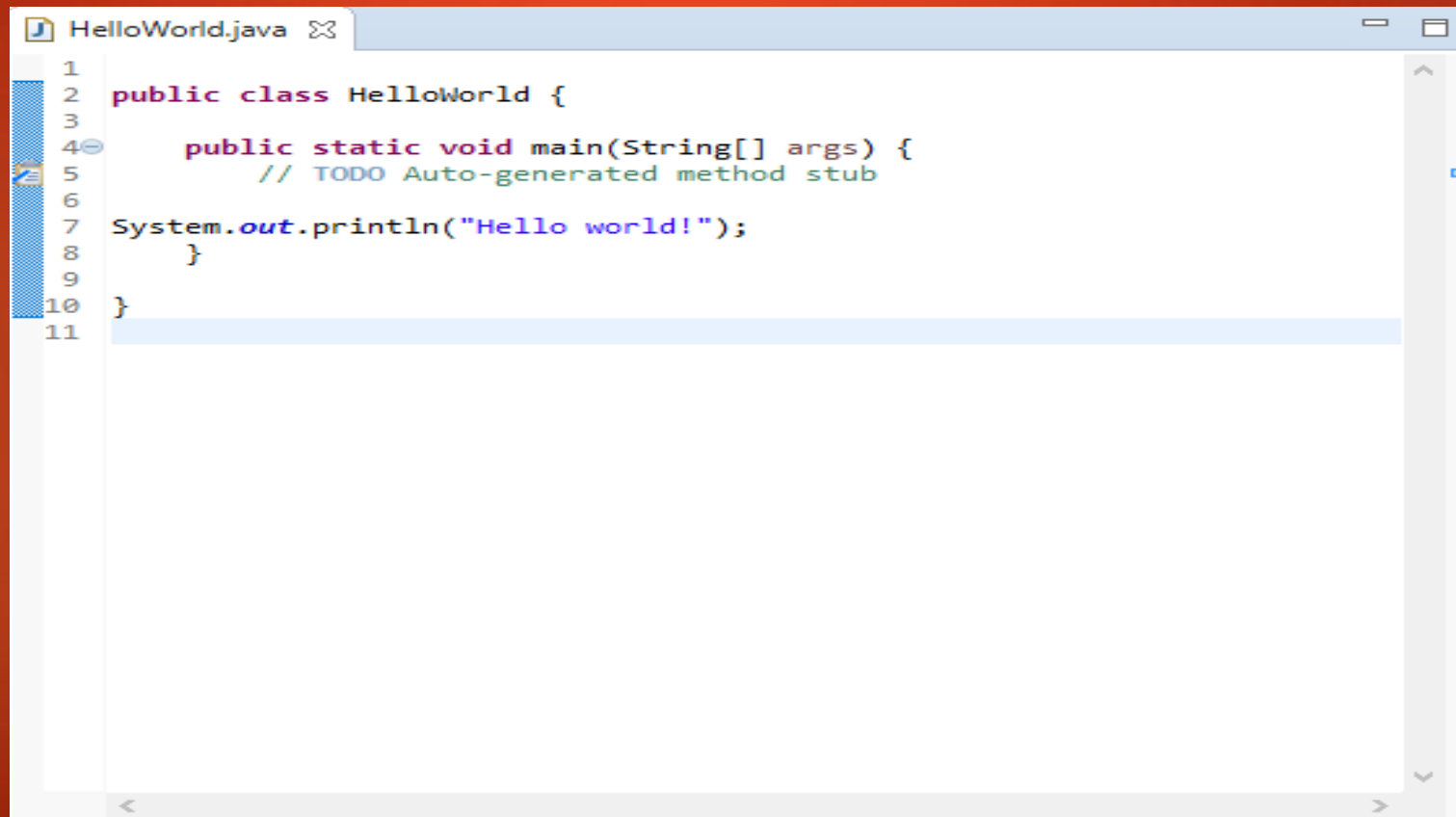


Finish

Cancel

HelloWorld

- ▶ Tak wygląda kod programu HelloWorld

A screenshot of a Java IDE window titled 'HelloWorld.java'. The code is as follows:

```
1 public class HelloWorld {  
2  
3  
4     public static void main(String[] args) {  
5         // TODO Auto-generated method stub  
6  
7         System.out.println("Hello world!");  
8     }  
9  
10 }  
11
```

The code is color-coded: 'public' is purple, 'class' is blue, 'void' is blue, 'main' is blue, 'String' is blue, 'args' is blue, 'System.out' is blue, 'println' is blue, and the string "Hello world!" is blue. The IDE has a light blue header bar with the file name and standard window controls. A vertical scrollbar is on the right, and a horizontal scrollbar is at the bottom.

Kompilacja

Aby skompilować program, wystarczy go zapisać.

Proces kompilacji przebiega automatycznie wraz z zapisaniem kodu.

HelloWorld

Po skompilowaniu uruchamiamy program komendą CTRL+F11
(domyślnie)

