

Debianlinux Examples (see more at [www.embeddedrevolution.info](http://www.embeddedrevolution.info))

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# Chapter 1

## File Index

### 1.1 File List

Here is a list of all documented files with brief descriptions:

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## Chapter 2

# File Documentation

### 2.1 /home/arduino/dev/Debianlinux/HelloCWorld/HelloCWorld.cpp File Reference

Provide an example of standard Arduino project in C language under Eclipse IDE.

```
#include "HelloCWorld.h"
```

#### Functions

- int `main` ()  
*Main process.*

#### 2.1.1 Detailed Description

Provide an example of standard Arduino project in C language under Eclipse IDE.

##### Author

AF

##### Date

2/6/2014

##### Version

1.1

#### 2.1.2 DESCRIPTION

This application is meant as example. It is a useful test tool for standart output through virtual standard serial RS232C as part of Debianlinux context.

#### 2.1.3 Function Documentation

##### 2.1.3.1 int main ( )

Main process.

**Parameters**

<i>no</i>	input parameters
-----------	------------------

**Returns**

no output

Init serial communications and wait for port to open:

Wait for serial port to connect (this is an optional condition board related)

## 2.2 /home/arduino/dev/Debianlinux/HelloCWorld/HelloCWorld.h File Reference

Standard header.

```
#include "Arduino.h"
```

### 2.2.1 Detailed Description

Standard header.

**Author**

AF

**Date**

2/6/2014

**Version**

1.1

### 2.2.2 DESCRIPTION

Only modify this file to include

- function definitions (prototypes)
- include files
- extern variable definitions

in the appropriate section

## 2.3 /home/arduino/dev/Debianlinux/HelloWorld/HelloWorld.cpp File Reference

Provide an example of standard Arduino project in Wiring language under Eclipse IDE.

```
#include "HelloWorld.h"
```



## Functions

- void `setup` ()  
*Setup function called once at startup of the sketch.*
- void `loop` ()  
*Add your includes for the project HelloWorld here.*

### 2.3.1 Detailed Description

Provide an example of standard Arduino project in Wiring language under Eclipse IDE.

#### Author

AF

#### Date

2/6/2014

#### Version

1.1

### 2.3.2 DESCRIPTION

This application is meant as example. It is a useful test tool for standart output through virtual standard serial RS232C as part of Debianlinux context.

### 2.3.3 Function Documentation

#### 2.3.3.1 void `loop` ( )

Add your includes for the project HelloWorld here.

End of add your includes here Send an output message through standard serial virtual port

Delay one second

#### 2.3.3.2 void `setup` ( )

Setup function called once at startup of the sketch.

#### Parameters

<i>no</i>	input parameters
-----------	------------------

#### Returns

void

## 2.4 /home/arduinodev/Debianlinux/HelloWorld/HelloWorld.h File Reference

Standard header.

```
#include "Arduino.h"
```

## Functions

- void `loop` ()  
*Add your includes for the project HelloWorld here.*
- void `setup` ()  
*Setup function called once at startup of the sketch.*

### 2.4.1 Detailed Description

Standard header.

Author

AF

Date

2/6/2014

Version

1.1

### 2.4.2 DESCRIPTION

Only modify this file to include

- function definitions (prototypes)
- include files
- extern variable definitions

In the appropriate section

### 2.4.3 Function Documentation

#### 2.4.3.1 void `loop` ( )

Add your includes for the project HelloWorld here.

End of add your includes here Send an output message through standard serial virtual port

Delay one second

#### 2.4.3.2 void `setup` ( )

Setup function called once at startup of the sketch.

Parameters

<i>no</i>	input parameters
-----------	------------------

Returns

void

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