

# What is Harbourino



Harbourino is a preprocessor that takes as input a text file written using some programming language syntax and output another text file following the syntax of another programming language.

Harbourino is a preprocessor that makes-

- 1) the program easier to develop.
- 2) easier to read.
- 3) easier to modify.

The facilities provided by a preprocessor are given below-

- 1) File inclusion
- 2) Substitution facility
- 3) Conditional compilation.

The more I work with Harbourino style the more I think it is revolutionizing also Fivewin programming.

I mean an extra preprocessor and splitting up complexity for "normal" – John Doe programmers is very potential.

For example, for a test, I split up classes and have for every method an own file.

This way you can achieve NASA programming rules: Restrict functions to a single printed page.

HARBOURINO can be used for every kind of project: php, html, prg, etc.

The Harbourino runs as an \*.exe on the server in c:\xampp or c:\www

Name	Ext	Size	Date
[.]	<DIR>	<DIR>	25.11.2019 18:40
[apache]	<DIR>	<DIR>	11.10.2019 08:59
[htdocs]	<DIR>	<DIR>	22.11.2019 22:53
[mysql]	<DIR>	<DIR>	21.08.2019 22:51
[php]	<DIR>	<DIR>	21.08.2019 22:51
[phpMyAdmin]	<DIR>	<DIR>	21.08.2019 22:51
[project1]	<DIR>	<DIR>	21.08.2019 22:51
[release]	<DIR>	<DIR>	29.09.2019 19:37
[tmp]	<DIR>	<DIR>	25.11.2019 06:56
patcher	EXE	3.811.840	25.11.2019 15:5
dirrec	exe	3.529.216	17.11.2019 13:42
ACTweb	exe	3.472.896	19.05.2019 12:11
AC4mod	exe	3.470.336	23.11.2019 22:26
test2web	exe	3.442.688	12.05.2019 00:59
patcher	log	10.838	11.11.2019 16:29
error	log	5.429	25.11.2019 18:41
test2web	ini	4.270	25.11.2019 15:38
WORDFILE	txt	3.600	27.10.2019 19:32
index	prg	1.494	05.10.2019 10:14
index	html	359	08.04.2019 15:52
showhtm	bat	117	19.05.2019 12:15
_main	prg	1	04.10.2019 10:30

**It allows you to split code into several pieces/prgs to take out complexity.**

This is especially for beginners and newbies really useful and helps to overcome sticking points at the entry.

It is possible to use mod harbour "include files" also inside an "include file".

## mod harbour patcher supports:

siehe: [https://www.tutorialspoint.com/cprogramming/c\\_preprocessors.htm](https://www.tutorialspoint.com/cprogramming/c_preprocessors.htm) Beschreibung Präprozessor

**\_main** must be in the Harbourino main file

-> link include file

Preprocessor

**\$- >** **link include file and preprocesses the file and makes simple textual substitutions** - works only at the linked files

```
|UNIQUEID|  
< placeholder > or |placeholder |
```

use from calling file:

path or only name them path is taken from INI - file

```
$-> Filename 9999: placeholder=xxxxxxx; otherPlaceholder1=yyyyyyyy
```

you can call files outside with absolute path, too.

You can make subdirectories inside your source code folder and structure this way your include files.

```
source  
EVENTLISTENER  
FORM
```

## preprocessor inside paragraph

Important

&-

```
$-> FORM\INPUT : type=text;
```

```
id = inputUsername;
```

```
labeltext = Email address;
```

```
placeholder = Benutzername;
```

```
name = username;
```

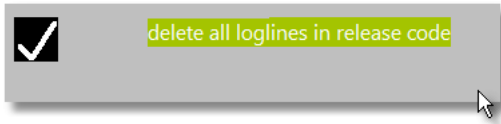
```
text-muted = Use the username "lailton"
```

-&

We can put preprocessor inside paragraph. This way we get nicer code

```
&-
$-> LINKBLOCK_ITEM :
  number =6 ;
  img    =https://winhotel.space/modharbourclub/img/hmanual.jpg ;
  target =https://harbour.github.io/doc/ ;
  heading =Harbour Reference Guide ;
  description =Welcome to Harbour - A starter s guide
-&
```

```
1 <!-- HARBOURINO LINKBLOCK_ITEM -->
2 <tr>
3 <th scope="row"> number|</th>
4 <td>
5 <div class="container">
6 <div class="row">
7 <div class="col-sm">
8 <a target="_blank" href="https://winhotel.space/modharbourclub/img/hmanual.jpg">
9 
10 <a>
11 </div>
12 <div class="col-sm">
13 <a target="_blank" href="https://harbour.github.io/doc/">
14 </div>
15 <div class="col-sm">
16 |description|
17 </div>
18 </div>
19 </div>
20 </td>
21 </tr>
22
```



If "delete all loglines in release code" is set, all lines starting with "logline" are not show in release code after patching.

logline( cText, cValue )

| - for comments in "include files" - not shown in the "patched" release file.

Paragraph

&- start line

-& end of line

sample for paragraph

&-

| - row wird in tablegebuchtezimmer angehängt

```
$(".data-gebuchtTbl tbody").append( "  
  <tr data-menge="" + MengeAuswahl + "" data-beschreibung="" + cBeschreibung + "" data-preis="" + preis + "" data-summe="" + summe + "" data-  
id="" + id + "">  
    <td style='visibility:hidden;'> " + id + " </td>  
    | - alle 3 Werte sind in einer Spalte  
    <td>" + cmenge + " </td> <td> <b>" + cZiBezeichnung + " </b> <br> " + cBeschreibung + " </td>  
  
    <td>" + email + " </td>  
  
    <td> <button class='btn btn-info btn-xs btn-deletebooking'>Buchung entfernen</button> </td>  
  
</tr>");
```

-&

is automatically patched to this.

```
$(".data-gebuchtTbl tbody").append( "<tr data-menge="" + MengeAuswahl + "" data-beschreibung="" + cBeschreibung + "" data-preis="" + preis + ""  
data-summe="" + summe + "" data-id="" + id + ""> <td style='visibility:hidden;'> " + id + " </td> <td>" + cmenge + " </td> <td> <b>" + cZiBezeichnung + "  
</b> <br> " + cBeschreibung + " </td> <td>" + email + " </td> <td> <button class='btn btn-info btn-xs btn-deletebooking'>Buchung  
entfernen</button> </td> </tr>");
```

## [: Comment Symbol To-Do List

HARBOURINO new sign for "Remove and APPEND" in a ToDo list.

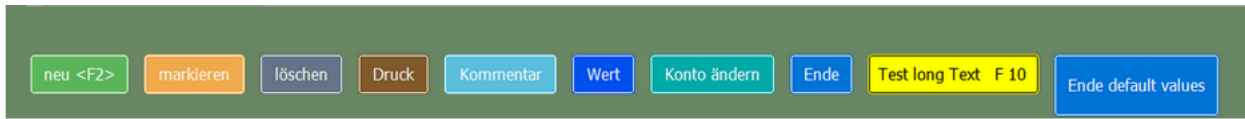
[: diesen Text in die Aufgabenliste übertagen

With each "Publish" call, everything after the characters [: is transferred to a global To-Do list and deleted - including date, time, file, etc.

The comment symbol must be the most left characters - space before are allowed

HARBOURINO can handle default values now

!|clause| value



```
$-> mybutton.prg : prompt= "Konto ändern"; action= ( f_kontoAenderung(), oBrw:refresh() )
$-> mybutton.prg : prompt= "Ende"; action= ( lSave=.T., oDlg:end() )
$-> mybutton.prg : prompt= "Test long Text F 10 "; action= msginfo("test") ; ClrText=C
$-> mybutton.prg : prompt= "Ende default values"; btnheight=60
```

```
|- default values
!|ClrText| CLR_WHITE
!|ClrBack| rgb(2, 117, 216)
!|action| msginfo("action")
!|btnheight| nBtnHeight
```

```
nOffset := If( oBtn == nil, 25, nOffset + 15 + oBtn:nWidth )
nPixPerChar := GetTextWidth( oDlg:hWnd, |prompt| , Setup():oFontFLATBTN:hFont ) + 30
@ oDlg:nHeight - 70, nOffset BTNBMF oBtn PROMPT |prompt| SIZE nPixPerChar, |btnheight| PIXEL OF oD
```

2021-12-29

common files (# is a placeholder for c:\harbourino)

general project files

Since an absolute path in the source code is difficult to read, we have extended the preprocessor.

We can set the path for a general directory in the project - INI file .

Then in our source code, we only use an asterisk (\*) as placeholder for the path.

Here a template for the ini-file.

[Setup]

MyReleasePath=C:\WWW\HTDOCS\MH\_WINHOTEL

ProjektDirSource=C:\WWW\HTDOCS\MH\_DASHBOARD\INDEX\source

ProjektDirGeneral=C:\WWW\HTDOCS\MH\_DASHBOARD\general

```
C:\www > htdocs > mh_dashboard > INDEX > source > HRB_INDEX
1  $-> #\COPYRIGHT : myTitle=Dashboard; source=mh_da
2
3  REQUEST DBFCDX
4  REQUEST DBFFPT
5
6  function main
7  TEMPLATE
8  <!DOCTYPE html>
9  <html lang="en">
10
11  -> c:\www\htdocs\mh_menu\INDEX\source\ALL\HEAD
12
13  <body class="app">
14  <!-- HARBOURINO GLOBALS -->
15  <script>
16  var append_edit="append"
17  </script>
18
19  <header class="app-header fixed-top">
20
21  [Setup]
22  MyReleasePath=C:\WWW\HTDOCS\MH_WINHOTEL
23  ProjektDirSource=C:\WWW\HTDOCS\MH_DASHBOARD\INDEX\source
24  ProjektDirGeneral=C:\WWW\HTDOCS\MH_DASHBOARD\general
25
26
27
```

```
File Edit Selection View Go Run Terminal Help
HRB_INDEX x APP_SIDE_PANEL APP_NAV_MAIN
C:\www > htdocs > mh_dashboard > INDEX > source > HRB_INDEX
1  $-> #\COPYRIGHT : myTitle=Dashboard; source=mh_da
2
3  REQUEST DBFCDX
4  REQUEST DBFFPT
5
6  function main
7  TEMPLATE
8  <!DOCTYPE html>
9  <html lang="en">
10
11  -> *\\HEAD
12
13  <body class="app">
14  <!-- HARBOURINO GLOBALS -->
15  <script>
16  var append_edit="append"
17  </script>
18
19  <header class="app-header fixed-top">
20
```

17-05-2024

## [-> CONDITIONAL COMPILATION FOR INLINE COMMENTS

In HARBOURINO, we use a unique syntax

[-> for inline comments that can be displayed on the screen during development.

To manage these comments efficiently, we have implemented a conditional compilation feature.

```
1 [-> HARBOURINO DETAILHEADER  
2 [-> HARBOURINO DETAILHEADER  
3 <div class="container-fluid">  
4  
5 <div class="row" id="detail|nr|" >  
6  
7 <div class="col-2 bg-secondary d-flex justi  
8 <a onclick="minus()" href="#">  
9 <span class="carousel-control-prev-ic  
10 </a>
```

HARBOURINO# - Drop main files from FileM  
HARBOURINO - Vers. 17.05.  
\*\*\*

CreateHarbourino \_main File

Publish



mod Harbour



hide comments [->



delete all loglines in release code

Logo

[zurück zur Zimmerauswahl](#)

[-> HARBOURINO DETAILHEADER

# VARIANTE

für 547.20€

< 1 2

[-> HARBOURINO DETAILHEADER

Variante 1: Zimmer 1

## FAMILIENZIMMER

28.01.2024 - 04.02.2024 (7 Tage)

Menge	Bezeichnung	Preis	Wert
7 x	Übernachtung mit Frühstück	57.00	399.00
Subtotal			399.00

# Publishing

## Publish

For publishing you just have to drag&drop your **\*\_main.prg** (here MyModTest\_Main.prg) in the **MODHarbour Patcher** window. It puts the code together again and in your release-folder you will find the file to publish → MyModTest.prg

### Simplify and connect

- MyModTest\_Main.prg
- ->head.prg
- ->inspector.prg
- ->toolbox.prg



MODHarbour Patcher



MyModTest.prg ist ready to release