

free42 Date Tools

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1 Metadata

The home for this HTML file is: <https://richmit.github.io/hp42/date.html>

A PDF version of this file may be found here: <https://richmit.github.io/hp42/date.pdf>

Files related to this document may be found on github: <https://github.com/richmit/hp42>

Directory contents:

<code>src</code>	-	The org-mode file that generated this HTML document
<code>src_42s</code>	-	Ready to convert source listings for 42s code in this document
<code>docs</code>	-	This html document and associated PDF
<code>bin</code>	-	Importable RAW program files

2 Introduction

Aside from the date/time conversion routines, the rest is just wrappers for built in functions to make them print results when called from a program. Why? I wanted to put things like `DATE` in a nested custom menu, and have them print the date just as if I had directly put the function in a custom menu. ;) Now that free42 has put these into a separate catalog menu, these are somewhat obsolete.

3 Functionality

3.1 The main menu

Menu	Prog	Description
<code>DATE</code>	LBL 95	Current date*
<code>TIME</code>	LBL 88	Current time*
<code>UTIME</code>		Return current UNIX date/time integer to stack
<code>□□□□</code>		
<code>DT→U</code>		Convert a date (Y) & time (X) pair to a UNIX date/time integer
<code>U→DT</code>		Convert a UNIX date/time integer into date (Y) & time (X) pair
<code>DATE</code>	LBL 95	Current date*
<code>□□□□</code>		
<code>JDATE</code>		Return current Julian day number to stack
<code>□□□□</code>		
<code>D→J</code>		Convert a date to a Julian day number
<code>J→D</code>		Convert a Julian day number to date*
<code>DATE+</code>	LBL 92	Just like built in function*
<code>DDAYS</code>		Just like built in function
<code>DOW</code>	LBL 91	Just like built in function*
<code>□□□□</code>		
<code>□□□□</code>		
<code>□□□□</code>		

Notes: * Result is both printed and pushed to the stack

