

A Basic Calendar Program

(c) Mark Tarver 2012

This package includes a basic calendar program for returning dates.

Basic Functions

gmt : (number --> number --> number) --> number --> number --> number
--> ((number --> number --> number) * number * number * number)

This function receives input in the form + <integer> <integer> <integer> or - <integer> <integer> <integer> and adjusts all results for Greenwich Mean Time. Values are entered in the order hours, minutes and seconds so **(gmt - 6 45 7)** would give GMT -6:45:07. Values for hours are in the range 0-12, for minutes 0-59 and for seconds 0-59.

internal-date : (number --> (list number))

This function receives input in the form of an integer and returns the internal date form which represents the date at the time asked for. Entering 0 gives the current date. Entering a negative number m gives the date m days in the past and a positive number n, the date n days in the future.

The result is returned as a list of numbers [Seconds Hours Days Month Year] adjusted for GMT.

The **internal-date** function is designed around Unix time and will not regress a date before January 2nd 1970.

now : (number --> string)

This function acts as **internal-date** but the result is returned as a string. **(now 0)** returns for me today's date "**11:44:46, 12th December, 2012 +GMT 00:00:00**"