fars2.R

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```
# You can learn more about package authoring with RStudio at:
#
#   http://r-pkgs.had.co.nz/
#
# Some useful keyboard shortcuts for package authoring:
#
#   Build and Reload Package:  'Ctrl + Shift + B'
#   Check Package:             'Ctrl + Shift + E'
#   Test Package:              'Ctrl + Shift + T'




# The followings are the functions of my package, fars2, that are documented
# with roxygen:


###############################################################################
```

Make a valid filename given a year

This function takes a year in the format yyyy (e.g 1977, 2007, etc) and it gives back a valid fars filename.

@param year a string or integer of four digits indicating the wanted year

@return as a side effect, this functions prints a string with a valid fars filename such as 'accident_1997.csv.bz2'

@examples make_filename(2001) make_filename(1987)

@export

```
make_filename <- function(year) {
  year <- as.integer(year)
  sprintf("accident_%d.csv.bz2", year)
}



###############################################################################
```

Read file into a dplyr's data frame tbl

This function reads a file by firstly checking that a file with that name exists and if it does, it converts it into a data frame table You must use system.file("extdata", "filename", package = "fars2") as the argument of the function to load the package internal data set

@param filename A character string giving the file's name the function will read

@return This function returns a error message either if the file's name does not exits or a data frame table representing the data of the file

@examples fars_read(system.file("extdata", "accident_2015.csv.bz2", package = "fars2"))

@import readr dplyr @export

```r
fars_read <- function(filename) {
  if(!file.exists(filename))
    stop("file '", filename, "' does not exist")
  data <- suppressMessages({
    readr::read_csv(filename, progress = FALSE)
  })
  dplyr::tbl_df(data)
}
```