

# set names to lowercase for multiple dataframes R

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## 1 Introduction

Frequent task in R is to set names of dataframes to lowercase.

Assume a data space with many objects. Several of which are data frames We want to identify all the dataframes by surveying their classes and convert the column names to lowercase no matter what case format they currently have.

Set up the environment

```
library(purrr)
rm(list = ls())
```

Construct a few objects. Two of them dataframes.

```
aa = data.frame(COL_1 = letters[6:4], COL_2 = 1:3)
bb = data.frame(COL_1 = letters[6:8], COL_2 = 1:3)
bb = as_tibble(bb)
cc = 1:10
dd = letters[1:4]
```



Figure 1: quarto

Start by creating a list of all the dataframes in the workspace.

```
# test each object in environment to see if it is a dataframe.
# keep a list of the data frames in df1
df0 = eapply(.GlobalEnv, \(x) if (is.data.frame(x)) return(x) )
df1 <- l1[!sapply(l1,is.null)]
# process dataframes in df1 and lower the case of the names
df2 = lapply(df1, \(x) {names(x) = tolower(names(x))
  return(x) })
# move the processed dataframes in df3 out to global env
list2env(df2, .GlobalEnv)
```

an alternative from [How to get the list of available data frames in R environment?](#)

```
df1 = names(which(unlist(eapply(.GlobalEnv,is.data.frame))))
```