Driver code example (for 'dhandle.R')

1. Import the source code (or else, "package" or "library")

```
source('dhandle.R')  # pre-req: the file 'dhandle.R' must be in the current working dir.
```

2. Load dataframes (pre-req: variables about the same attribute are in matching positions in all dataframes)

```
wav1 <- data.frame(bob=c(0,0), cat=c(0,0), dad=c(0,0), kit=c(0,0))
wav3 <- data.frame(ell=c(0,0), gig=c(0,0), mom=c(0,0), rec=c(0,0))
wav5 <- data.frame(nor=c(0,0), pap=c(0,0), pup=c(0,0), pug=c(0,0))
```

3. Merge data across waves into single dataframe with desired variable names

```
result_df <- dmerge(list(wav1, wav3, wav5),          # @param[1] = waves:
                                                     #   a list of dataframes each with
                                                     #   wave-specific data.
                    c('wav1', 'wav3', 'wav5'),       # @param[2] = w_names:
                                                     #   a vector of desired labels for
                                                     #   the waves.
                    c('var1', 'var2', 'var3', 'var4')  # @param[3] = var_names:
                    )                                #   a vector of desired labels for
                                                     #   the variables.
```

4. Apply an operation*, along the specified columns, for each observation in dataframe x, and store the result in a new column in x

```
dapply(c('any', 'eq', 1),                            # @param[1] = operation:
                                                     #   a vector indicating the desired
                                                     #   operation (e.g. does observation
                                                     #   have the value 1 in any of the
                                                     #   specified columns?)
       result_df,                                    # @param[2] = x:
                                                     #   the dataframe to operate on.
       c('wav1_var1', 'wav3_var1', 'wav5_var1'),     # @param[3] = to_cols:
                                                     #   the names of columns to operate on.
       'any1'                                         # @param[4] = result_col_name:
       )                                             #   the name of the column where the
                                                     #   operation result will be stored.
```

*Note: the only operation currently supported is "c('any', 'eq', i)", where i is an integer.