

NAME

spairs

SYNOPSIS

an iterator that provides sorted pairs from a table

USAGE

```
local du = require "lib/dtutils"
```

```
for key, value in du.spairs(t, order) do
  t - table - table of key, value pairs
  order - function - an optional function to sort the pairs
             if none is supplied, table.sort() is used
```

DESCRIPTION

spairs is an iterator that returns key, value pairs from a table in sorted order. The sorting order is the result of table.sort() if no function is supplied, otherwise sorting is done as specified in the function.

EXAMPLE

```
HighScore = { Robin = 8, Jon = 10, Max = 11 }
```

```
-- basic usage, just sort by the keys
for k,v in spairs(HighScore) do
  print(k,v)
end
--> Jon    10
--> Max    11
--> Robin   8

-- this uses a custom sorting function ordering by score descending
for k,v in spairs(HighScore, function(t,a,b) return t[b] < t[a] end) do
  print(k,v)
end
--> Max    11
--> Jon    10
--> Robin   8
```

REFERENCE

Code copied from <http://stackoverflow.com/questions/15706270/sort-a-table-in-lua>