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| dec_two | <i>Function that returns numeric values with 2 decimal numbers.</i> |
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Description

Function that returns numeric values with 2 decimal numbers.

Usage

```
dec_two(x)
```

Arguments

x input numeric value with N decimal numbers.

Value

a numeric value with 2 decimal numbers.

Examples

```
aaa <- dec_two(8.31232)
```

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| getDatasetFeaturesFromGEOcode | <i>Function that reads in the GEO code of a dataset, and returns the complete gene expression dataframe by printing its features (if requested).</i> |
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Description

Function that reads in the GEO code of a dataset, and returns the complete gene expression dataframe by printing its features (if requested).

Usage

```
getDatasetFeaturesFromGEOcode(GSE_code, verbose = FALSE)
```

Arguments

GSE_code the GEO code of a dataset.
verbose a boolean flag stating if helping messages should be printed or not

Value

a complete gene expression dataset.

Examples

```
# geneExpressionDF <- getDatasetFeaturesFromGEOcode("GSE23906", FALSE)  
geneExpressionDF <- getDatasetFeaturesFromGEOcode(NULL, FALSE)
```

getGeneExpressionFromGEO

Function that reads in the GEO code of a dataset, and returns the gene expression dataframe.

Description

Function that reads in the GEO code of a dataset, and returns the gene expression dataframe.

Usage

```
getGeneExpressionFromGEO(datasetGeoCode, retrieveGeneSymbols, verbose = FALSE)
```

Arguments

datasetGeoCode the GEO code of a dataset.
retrieveGeneSymbols
 a boolean flag stating if the function should retrieve the gene symbols or not.
verbose a boolean flag stating if helping messages should be printed or not

Value

a gene expression dataset.

Examples

```
# geneExpressionDF1 <- getGeneExpressionFromGEO("GSE23906", FALSE, FALSE)  
geneExpressionDF1 <- getGeneExpressionFromGEO(NULL, FALSE, FALSE)
```

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| readUrl | <i>Function that reads in a URL to check and verifies if it exists (function written by Janko Thyson @rappster and taken from https://stackoverflow.com/a/12195574)</i> |
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Description

Function that reads in a URL to check and verifies if it exists (function written by Janko Thyson @rappster and taken from <https://stackoverflow.com/a/12195574>)

Usage

```
readUrl(url)
```

Arguments

url the URL of a webpage

Value

the output of a webpage verification check

Examples

```
y <- readUrl("http://stat.ethz.ch/R-manual/R-devel/library/base/html/connections.html")
```

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