Package 'checkLuhn'

October 12, 2022

Type Package

Title Checks if a Number is Valid Using the Luhn Algorithm

Version 1.1.0

Description Confirms if the number is Luhn compliant.
Can check if credit card, IMEI number or any other Luhn based number is correct.
For more info see: <https://en.wikipedia.org/wiki/Luhn_algorithm>.

URL https://github.com/adamjdeacon/checkLuhn

BugReports https://github.com/adamjdeacon/checkLuhn/issues

Depends R (>= 3.1.2)

Imports utils, dplyr, stringr

License GPL-2

Encoding UTF-8

LazyData true

RoxygenNote 6.1.0

Suggests testthat

NeedsCompilation no

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Repository CRAN

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R topics documented:

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checkLuhn-package *Functions and data for working with credit and debit cards*

Description

Contains function for confirm if card numbers are valid and getting information about the card scheme and issuer see the repo at https://github.com/adamjdeacon/checkLuhn.

Author(s)

Adam Deacon (<adam@deaconsworld.org.uk>)

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bin_ranges *BIN ranges*

Description

A dataset containing the top level BIN ranges for card issuers

Usage

```
bin_ranges
```

Format

A data frame with 48 rows:

issuer The card issuer

start start of card range

end end of card range

active Is card still available

length Length of PAN

Source

<https://www.bincodes.com/bin-list>

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checkLuhn *Checks number is Luhn compliant*

Description

Checks number is Luhn compliant

Usage

```
checkLuhn(number)
```

Arguments

number   The number to be checked

Examples

```
checkLuhn('4111 1111 1111 1111')
```

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issuer *issuer*

Description

Attempts to return the issuer and if the scheme is still active.

Usage

```
issuer(number)
```

Arguments

number   PAN to look up

Value

A dataframe of the issuer and if the scheme is active

Examples

```
issuer('4111 1111 1111 1111')
```

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