

# Package ‘hkex.api’

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**Title** API to Retrieve Data from Hong Kong Stock Exchange

**Version** 0.1

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**Description** A set of functions helps to retrieve data from HKEX (Hong Kong Stock Exchange), see <<https://www.hkex.com.hk/>> for more information. In addition, a function generates insert SQL statements from a dataframe.

**Depends** R (>= 3.0.0), XML, RCurl, httr

**License** GPL-3

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 5.0.1.9000

**NeedsCompilation** no

**Repository** CRAN

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getHSIOptions                      *An API to Download HSI Options Data*

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## Description

getHSIOptions returns HSI options in dataframe.

**Usage**

```
getHSIOptions()
```

**Details**

The function is to retrieve HSI options data from the HKEX website.

**References**

<https://www.hkex.com.hk>

**Examples**

```
## Not run:  
  getHSIOptions()  
  
## End(Not run)
```

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getLastShortSelling    *An API to Download Short Selling Turnover on Main Board*

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**Description**

getLastShortSelling returns a data frame.

**Usage**

```
getLastShortSelling()
```

**Details**

The function is to retrieve short selling turnover on main board

**References**

<https://www.hkex.com.hk>

**Examples**

```
## Not run:  
  getLastShortSelling()  
  
## End(Not run)
```

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`prepInsertSQL`*A Function to Generate a List of SQL statements from Dataframe.*

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**Description**

`prepInsertSQL` returns a list of insert SQL statements

**Usage**

```
prepInsertSQL(tableName = "", df = NULL, quote = NULL)
```

**Arguments**

<code>tableName</code>	a table name
<code>df</code>	dataframe that provides data
<code>quote</code>	(Optional) it is a vector indicates whether a data element should be quoted or not. 1 means quoted while 0 means not.

**Details**

The function is to generate insert SQL statements with `data.frame` data

**Examples**

```
## Not run:  
testData=data.frame(name=c("peter","john"), age=c(18,23))  
sqlStatement=prepInsertSQL(tableName="student", testData, quote=c(1,0))  
  
## End(Not run)
```

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