# CopyObject

The *CopyObject* action copies an existing query or table.

tags:
Actions

## Applies to ...

| Object | Description |
|--------|-------------|
| **DoCmd** | Root class. When present, its name must be "`DoCmd`" but the object name is optional. |

## Syntax

`[DoCmd.]CopyObject(SourceDatabase, NewName, SourceObjectType, SourceObjectName)`

| Argument | Optional | Type or Symbol | Description | Returned Value |
|----------|----------|----------------|-------------|----------------|
| `SourceDatabase` | Yes | String | If present, must be the null-string "". | |
| `NewName` | No | String | The name of the target copy. | |
| `SourceObjectType` | No | acTable acQuery | The type of object to copy. | True if sucess |
| `SourceObjectName` | No | String | The name of the object to copy. This argument is NOT case-sensitive. | |

The symbolic constants can be included in your code by copying and pasting next lines:

```
Const acQuery = 1
Const acTable = 0
```

## Remarks

- If an object of the same type and with the same name existed already, it is dropped without warning.
- A new copy of an *acQuery* object contains only its description and its SQL statement, ...
- A new copy of an *acTable* object contains
  - the table columns with their types
  - the table data
  - the same primary key as the source table. If the source primary key is an *AutoIncrement* field, the value of the field is copied into an *integer* field of the same name without the *AutoIncrement* behaviour.
- Other table elements are NOT copied: e.g. indexes. To build them use the **RunSQL** action with the appropriate `CREATE INDEX ...` statement.
- The copy of the data is done via one single `INSERT` SQL statement. However the HSQLDB database system transforms it in <u>one statement by record</u> to copy, which obviously gives a low performance. Other RDBMS might be more powerful.
- The *CopyObject* action is forbidden from a **standalone form**.

## Error messages

| |
|---|
| Arguments are missing or are not initialized |
| Argument nr. ... [Value = '...'] is invalid |
| Object '...' not found |
| Method 'CopyObject' not applicable in this context |

## See also

**RunSQL**
**SelectObject**

## Example

Copy a table (design and data)

```
          DoCmd.CopyObject(, "COMPANIES_BACKUP", acTable, "COMPANIES")
```

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**RunSQL**
**SelectObject**

## Example

Copy a table (design and data)

```
          DoCmd.CopyObject(, "COMPANIES_BACKUP", acTable, "COMPANIES")
```