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SDIFF

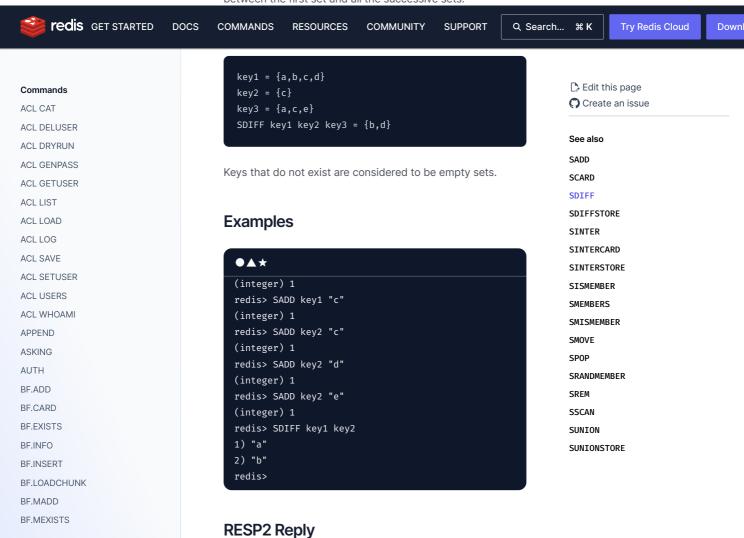**Syntax**

```
SDIFF key [key ... ]
```

Available since: 1.0.0

Time complexity: O(N) where N is the total number of elements in all given sets.

ACL categories: @read, @set, @slow

Returns the members of the set resulting from the difference between the first set and all the successive sets.

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ACL GETUSER
ACL LIST
ACL LOAD
ACL LOG
ACL SAVE
ACL SETUSER
ACL USERS
ACL WHOAMI
APPEND
ASKING
AUTH
BF.ADD
BF.CARD
BF.EXISTS
BF.INFO
BF.INSERT
BF.LOADCHUNK
BF.MADD
BF.MEXISTS

```
key1 = {a,b,c,d}
key2 = {c}
key3 = {a,c,e}
SDIFF key1 key2 key3 = {b,d}
```

Keys that do not exist are considered to be empty sets.

Examples

```
● ▲ ★
(integer) 1
redis> SADD key1 "c"
(integer) 1
redis> SADD key2 "c"
(integer) 1
redis> SADD key2 "d"
(integer) 1
redis> SADD key2 "e"
(integer) 1
redis> SDIFF key1 key2
1) "a"
2) "b"
redis>
```

RESP2 Reply

Array reply: a list with members of the resulting set.

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See also

SADD
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SUNION
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RESP3 Reply

Array reply: a list with the members of the resulting set.

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RESP3 Reply

Array reply: a list with the members of the resulting set.