

SQL in DB2

Wichtige Datentypen

Datentyp	Typ	Eigenschaften	Beispiel oder Bereich
CHAR(15)	fixed-length character string	Maximum length of 254	'Sunny day'
VARCHAR(15)	varying-length character string	Maximum length of 32672	'Sunny day'
SMALLINT	number	2 bytes in length precision of 5 digits	range is -32768 to 32767
INTEGER	number	4 bytes in length precision of 10 digits	range is -2147483648 to 2147483647
BIGINT	number	8 bytes in length precision of 19 digits	range is -9223372036854775808 to 9223372036854775807
REAL	number	single-precision floating point 32 bit approximation	range is -3.402E+38 to -1.175E-37 or 1.175E-37 to -3.402E+38 or zero
DOUBLE	number	double-precision floating point 64 bit approximation	range is -1.79769E+308 to -2.225E-307 or 2.225E-307 to 1.79769E+308 or zero
DECIMAL(5,2)	number	precision is 5 scale is 2	range is -10**31+1 to 10**31-1
DATE	datetime	three-part value	1991-10-27
TIME	datetime	three-part value	13.30.05
TIMESTAMP	datetime	seven-part value	1991-10-27-13.30.05.000000

Tipps

Katalogisieren des Knotes

```
catalog tcpip node NDEC6EF4 remote flens server 50001
remote_instance db2inst1 system flens ostype linux terminate
```

Katalogisieren der Datenbank

```
catalog database lasttry as lasttry at node NDEC6EF4
authentication server terminate
```

Zur Datenbank verbinden

```
> db2
```

```
DB2 => CONNECT TO lasttry USER username
```

Datenbankverbindung nach der Benutzung immer schließen!!

```
DB2 => disconnect lasttry
```

Zugriff auf Tabellen

```
select * from db2inst1.table
```

Was für Tabellen habe ich angelegt?

```
SELECT name FROM sysibm.systables WHERE creator='username'
```

Wie ist eine Tabelle aufgebaut?

```
DESCRIBE TABLE tablename
```