

1

```
1 CREATE TABLE PRODUCT (prodCode VARCHAR(6) NOT NULL PRIMARY KEY,  
2                           description VARCHAR(20),  
3                           unit VARCHAR(3));  
4  
5 CALL SYSPROC.ADMIN_CMD('DESCRIBE TABLE PRODUCT');
```

History Results

Result set 1 Details

Filter table Total:3

COLNAME	TYPESHEMA	TYPENAME	LENGTH	SCALE	NULLABLE
PRODCODE	SYSIBM	VARCHAR	6	0	N
DESCRIPTION	SYSIBM	VARCHAR	20	0	Y
UNIT	SYSIBM	VARCHAR	3	0	Y

2

```
7 SELECT *  
8 FROM PRODUCT;  
9  
10  
11  
12
```

History Results

Result set 1 Details

Filter table Total:52

PRODCODE	DESCRIPTION	UNIT
AD0002	WD Ultra 1TB	ea
AD0003	Seagate Bracuda 1TB	ea
AD0004	Transcend 1 TB	ea
AK0001	HP Pavilion DV6000	pc
AK0002	Micro Innovations Kb	pc

Items per page: 50 1–50 of 52 items 1 1 of 2 pages

3

```
10 ALTER TABLE PRODUCT
11 ADD CONSTRAINT unit_ck CHECK (unit IN ('pc', 'ea', 'pkg', 'mtr', 'ltr'));
12
13 CALL SYSPROC.ADMIN_CMD ('REORG TABLE PRODUCT');
14
15
```

History Results

Find by statement or status

Script	Date	Status	Runtime
Untitled - 4	Aug 26, 2023 9:22:17 PM	✓ 1	0.351 s
CALL SYSPROC.ADMIN_CMD ('REORG TABLE PRODUCT')		✓	0.351 s
Untitled - 4	Aug 26, 2023 9:21:48 PM	✓ 1	0.014 s
ALTER TABLE PRODUCT ADD CONSTRAINT unit_ck CHECK (unit IN (...)		✓	0.014 s

4

```
15 INSERT INTO PRODUCT
16 VALUES ('PS0003', 'Cisco Virt Hardware', 'pcs'),
17         ('PC0002', 'Dell 745 Opti Desk', 'pg'),
18         ('PA0001', 'MS Ofc Business 2013', 'pk'),
19         ('AM0001', 'MS Wireless Mouse', 'pcs'),
20         ('AD0001', 'Toshiba Canvio 1 TB', 'eac');
21
```

History Results

The requested operation is not allowed because a row does not satisfy the check constraint "BLS78929.PRODUCT.UNIT_CK".. SQLCODE=-545, SQLSTATE=23513, DRIVER=4.32.28 [Learn more](#)

Run time
0.013 s

Run by
bls78929

Database
crn:v1:bluemix:public:dashdb-for-tr...

Full query body

```
INSERT INTO PRODUCT
VALUES ('PS0003', 'Cisco Virt Hardware', 'pcs'),
      ('PC0002', 'Dell 745 Opti Desk', 'p
g'),
      ('PA0001', 'MS Ofc Business 2013',
'pk'),
      ('AM0001', 'MS Wireless Mouse', 'pc
s'),
```

5

```
22
23 CREATE TABLE PRICEHIST (effDate DATE NOT NULL,
24                           prodCode VARCHAR(6) NOT NULL,
25                           unitPrice DECIMAL(10,2) CONSTRAINT UNITP_CK CHECK(unitPrice>0),
26                           PRIMARY KEY (effDate, prodCode),
27                           FOREIGN KEY (prodCode) REFERENCES PRODUCT);
28
29 CALL SYSPROC.ADMIN_CMD('DESCRIBE TABLE PRICEHIST');
```

HistoryResults

Result set 1Details

Filter table

Total:3

COLNAME	TYPESCHEMA	TYPENAME	LENGTH	SCALE	NULLABLE
EFFDATE	SYSIBM	DATE	4	0	N
PRODCODE	SYSIBM	VARCHAR	6	0	N
UNITPRICE	SYSIBM	DECIMAL	10	2	Y

6


```
31 INSERT INTO PRICEHIST
32 VALUES ('2010-05-15', 'NB0003', '199'),
33          ('2010-05-15', 'NB0004', '279'),
34          ('2010-05-15', 'NB0005', '350');
```

History	Results
Run time 0.009 s	Full query body
Run by bls78929	INSERT INTO PRICEHIST VALUES ('2010-05-15', 'NB0003', '199'), ('2010-05-15', 'NB0004', '279'), ('2010-05-15', 'NB0005', '350')
Database crn:v1:bluemix:public:dashdb-for-tr...	
Affected rows 3	

7

```
41 INSERT INTO PRICEHIST
42 VALUES ('2011-02-01', 'PS0003', '123.55');
```

History Results

 The insert or update value of the FOREIGN KEY "BLS78929.PRICEHIST.SQL230826133454290" is not equal to any value of the parent key of the parent table.. SQLCODE=-530, SQLSTATE=23503, DRIVER=4.32.28 [Learn more](#)

Run time
0.015 s

Run by
bls78929

Database
crn:v1:bluemix:public:dashdb-for-tr...


Full query body

```
INSERT INTO PRICEHIST
VALUES ('2011-02-01', 'PS0003', '123.55')
```

8

```
44 INSERT INTO PRICEHIST
45 VALUES ('2011-02-01', 'NB0005', '-1.85');
```

History Results

 The requested operation is not allowed because a row does not satisfy the check constraint "BLS78929.PRICEHIST.UNITPRICE_CK".. SQLCODE=-545, SQLSTATE=23513, DRIVER=4.32.28 [Learn more](#)

Run time
0.013 s

Run by
bls78929

Database
crn:v1:bluemix:public:dashdb-for-tr...

Full query body

```
INSERT INTO PRICEHIST
VALUES ('2011-02-01', 'NB0005', '-1.85')
```