

Constraint	Action	Prediction	Did the constraint work?
Rate_CK	<p>Insert a row of data into the SALESREP table with a rate of 0.22</p> <p>INSERT INTO PREMIERB22/SALESREP VALUES('83', 'Floyd', 'Pink', '1 Abbey Rd', 'London', 'EN', 22334, 2255, .22)</p>	row should be rejected because the value 0.22 is not in the list of acceptable values	<p>Was the row rejected?</p> <p>yes</p>
	<p>Insert a row of data into the SALESREP table with a rate of 0.05</p> <p>INSERT INTO PREMIERB22/SALESREP VALUES('83', 'Floyd', 'Pink', '1 Abbey Rd', 'London', 'EN', 22334, 2255, .05)</p>	row should be accepted as 0.05 is in the list of acceptable values	<p>Was the row accepted?</p> <p>yes</p>
City_UN	<p>insert a 2 rows of data into the SALESREP table each has value for City: 'Montreal'</p> <p>INSERT INTO PREMIERB22/SALESREP VALUES('83', 'Gilmour', 'David', '3 Abbey Rd', 'Montreal', 'QC', 21934, 2554, .06)</p> <p>INSERT INTO PREMIERB22/SALESREP VALUES('87', 'Barrett', 'Syd', '4 Abbey Rd', 'Montreal', 'ON', 21134, 2552, .06)</p>	should not accept the second row because city is UNIQUE and therefore 'Montreal' cannot be used twice	<p>Was the row rejected?</p> <p>yes</p>
	<p>insert a row of data into the</p>	row should be accepted because	Was the row

	SALESREP table with a city of 'Oakville' INSERT INTO PREMIERB22/SALESREP VALUES('87', 'Barrett', 'Syd', '4 Abbey Rd', 'Oakville', 'ON', 21134, 2552, .06)	'Oakville' has not been used before	accepted? yes
Balance_CK	insert a row of data into the CUSTOMER table with a Balance = 1555 INSERT INTO PREMIERB22/CUSTOMER VALUES('22', 'Harry', 'Debbie', '3 Rock St.', 'Miami', 'FL', 12345, 1555, 7775, '99')	row should be accepted – it is in the acceptable range.	Was the row accepted? yes
	insert a row of data into the CUSTOMER table with a Balance = 8000 INSERT INTO PREMIERB22/CUSTOMER VALUES('24', 'Smyth', 'Patty', '7 Rock St.', 'New York', 'NY', 12335, 8000, 7743, '99')	row should be rejected because the Balance is more than 8000 which is the maximum allowed	Was the row rejected? yes

File : CUSTOMER
Library : PREMIERB22
Type of information : *CST
File attributes : *ALL
System : *LCL
Processor : IBM AS/400 Display File Description Processor

File . : CUSTOMER Library . : PREMIERB22 Type of file . : Physical *DATA Auxiliary Storage Pool ID . : 00001

Constraint Description

Primary Key Constraint

Constraint	: CST	CUSTOMER_PK
Type	: TYPE	*PRIMARY
Key	: KEY	CSTLNM
Number of fields in key	:	1
Key length	:	15

Referential Constraint

Constraint	: CST	CUTOMER_SALES_NO_FK
Type	: TYPE	*REFCST
Check pending	:	NO
Constraint state	: STATE	ESTABLISHED
		*ENABLED

Parent File Description

File	: PRNFILE	SALESREP
Library	: LIB	PREMIERB22
Parent key	: PRNKEY	SRPSRP
Foreign key	: FRNKEY	CSTSRP
Delete rule	: DLTRULE	*NOACTION
Update rule	: UPDRULE	*NOACTION

Check Constraint

Constraint	: CST	BALANCE_CK
Type	: TYPE	*CHKCST
Check pending	:	NO
Constraint state	: STATE	ESTABLISHED
		*ENABLED
Check constraint expression	: CHKCST	BALANCE BETWEEN 1
AND 6000		

File : SALESREP
Library : PREMIERB22
Type of information : *CST
File attributes : *ALL
System : *LCL
Processor : IBM AS/400 Display File Description Processor

File . : SALESREP Library . : PREMIERB22 Type of file . : Physical *DATA Auxiliary Storage Pool ID . : 00001

Constraint Description

Primary Key Constraint

Constraint	: CST	SALES_REP_NUMBER_PK
Type	: TYPE	*PRIMARY
Key	: KEY	SRPSRP
Number of fields in key	:	1
Key length	:	2

Unique Constraint

Constraint	: CST	CITY_UN
Type	: TYPE	*UNIQUE
Key	: KEY	SRPCTY
Number of fields in key	:	1
Key length	:	15

Check Constraint

Constraint	: CST	RATE_CK
Type	: TYPE	*CHKCST
Check pending	:	NO
Constraint state	: STATE	ESTABLISHED
		*ENABLED
Check constraint expression	: CHKCST	RATE IN (0.05 , 0
.06 , 0.07 , 0.15)		