Adrian Grimm

Chapter 4

1. CREATE TABLE store\_reps (

rep\_ID NUMBER (5),

last VARCHAR2 (15),

first VARCHAR (10),

comm CHAR (1) DEFAULT 'Y',

CONSTRAINT store\_reps\_rep\_id\_pk PRIMARY KEY (rep\_id)

);

1. ALTER TABLE store\_reps

MODIFY (last CONSTRAINT store\_reps\_last\_nn NOT NULL);

ALTER TABLE store\_reps

MODIFY (first CONSTRAINT store\_reps\_first\_nn NOT NULL);

1. ALTER TABLE store\_reps

ADD CONSTRAINT comm\_ck CHECK (comm IN ('Y', 'N'));

1. ALTER TABLE store\_reps

ADD (base\_salary NUMBER (7,2)

CONSTRAINT base\_salary\_ck CHECK (base\_salary > 0));

1. CREATE TABLE book\_stores (

Store\_ID NUMBER (8),

Name VARCHAR2 (30) NOT NULL,

Contact VARCHAR2 (30),

Rep\_ID VARCHAR2 (5),

CONSTRAINT book\_stores\_store\_id\_pk PRIMARY KEY (store\_id),

CONSTRAINT book\_stores\_name\_uk UNIQUE (name)

);

1. ALTER TABLE book\_stores

MODIFY (rep\_id NUMBER (5));

ALTER TABLE book\_stores

ADD CONSTRAINT book\_stores\_rep\_id\_fk FOREIGN KEY (rep\_id)

REFERENCES store\_reps (rep\_id);

1. ALTER TABLE book\_stores

DROP CONSTRAINT book\_stores\_rep\_id\_fk;

ALTER TABLE book\_stores

ADD CONSTRAINT book\_stores\_rep\_id\_fk FOREIGN KEY (rep\_id)

REFERENCES store\_reps (rep\_id) ON DELETE CASCADE;

1. CREATE TABLE rep\_contracts (

Store\_ID NUMBER (8),

Name NUMBER (5),

Quarter CHAR (3),

Rep\_ID NUMBER (5),

CONSTRAINT rep\_contracts\_pk PRIMARY KEY (store\_id, quarter, rep\_id),

CONSTRAINT rep\_contracts\_rep\_id\_fk FOREIGN KEY (rep\_id)

REFERENCES store\_reps (rep\_id),

CONSTRAINT rep\_contracts\_store\_id\_fk FOREIGN KEY (store\_id)

REFERENCES book\_stores (store\_id)

);



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| --- | --- | --- |
| **CONSTRAINT\_NAME** | **TYPE** | **SEARCH\_CONDITION** |
| STORE\_REPS\_LAST\_NN | C | "LAST" IS NOT NULL |
| STORE\_REPS\_FIRST\_NN | C | "FIRST" IS NOT NULL |
| COMM\_CK | C | comm IN ('Y', 'N') |
| BASE\_SALARY\_CK | C | base\_salary > 0 |
| STORE\_REPS\_REP\_ID\_PK | P | (NULL) |

1. ALTER TABLE store\_reps

DISABLE CONSTRAINT base\_salary\_ck;

ALTER TABLE store\_reps

ENABLE CONSTRAINT base\_salary\_ck;