```
SQL> -- create tables
SQL> -- create items_dd
SQL> CREATE TABLE items_dd
  2  (
  3  item_code CHAR(6)
  4      CONSTRAINT items_dd_item_code_pk PRIMARY KEY,
  5  item_description VARCHAR2(30)
  6      CONSTRAINT items_dd_item_descript_nn NOT NULL,
  7  item_price_each NUMBER(5,2)
  8      CONSTRAINT items_dd_item_price_each_nn NOT NULL
  9  );

Table created.

SQL> -- create sales_reps_dd
SQL> CREATE TABLE sales_reps_dd
  2  (
  3  sales_rep_no NUMBER(4)
  4      CONSTRAINT sles_reps_dd_sales_rep_no_pk PRIMARY KEY,
  5  sales_rep_last_name VARCHAR2(30)
  6      CONSTRAINT sles_reps_dd_sles_rp_lst_nm_nn NOT NULL,
  7  sales_rep_first_name VARCHAR2(30)
  8      CONSTRAINT sles_reps_dd_sles_rp_fir_nm_nn NOT NULL
  9  );

Table created.

SQL> -- create ship_tos_dd
SQL> CREATE TABLE ship_tos_dd
  2  (
  3  ship_to_no NUMBER(4)
  4      CONSTRAINT shp_tos_dd_shp_to_no_pk PRIMARY KEY,
  5  ship_to_name VARCHAR2(40)
  6      CONSTRAINT shp_tos_dd_shp_to_name_nn NOT NULL,
  7  ship_to_street VARCHAR2(30)
  8      CONSTRAINT shp_tos_dd_shp_to_str_nn NOT NULL,
  9  ship_to_city VARCHAR2(35)
 10      CONSTRAINT shp_tos_dd_shp_to_cty_nn NOT NULL,
 11  ship_to_state CHAR(2)
 12      CONSTRAINT shp_tos_dd_shp_to_st_nn NOT NULL,
 13  ship_to_zipcode CHAR(5)
 14      CONSTRAINT shp_tos_dd_shp_to_zip_nn NOT NULL,
 15  ship_to_contact_name VARCHAR2(20)
 16      CONSTRAINT shp_tos_dd_shp_to_cont_name_nn NOT NULL,
 17  ship_to_phone_no CHAR(10)
 18      CONSTRAINT shp_tos_dd_shp_to_ph_no_nn NOT NULL
 19  );
```

Table created.

```
SQL> -- create bill_tos_dd
SQL> CREATE TABLE bill_tos_dd
  2  (
  3  bill_to_no NUMBER(4)
  4      CONSTRAINT bil_tos_dd_bil_to_no_pk PRIMARY KEY,
  5  bill_to_name VARCHAR2(40)
  6      CONSTRAINT bil_tos_dd_bil_to_name_nn NOT NULL,
  7  bill_to_street VARCHAR2(30)
  8      CONSTRAINT bil_tos_dd_bil_to_str_nn NOT NULL,
  9  bill_to_city VARCHAR2(35)
 10      CONSTRAINT bil_tos_dd_bil_to_cty_nn NOT NULL,
 11  bill_to_state CHAR(2)
 12      CONSTRAINT bil_tos_dd_bil_to_st_nn NOT NULL,
 13  bill_to_zipcode CHAR(5)
 14      CONSTRAINT bil_tos_dd_bil_to_zip_nn NOT NULL,
 15  bill_to_contact_name VARCHAR2(20)
 16      CONSTRAINT bil_tos_dd_bil_to_cont_name_nn NOT NULL,
 17  bill_to_phone_no CHAR(10)
 18      CONSTRAINT bil_tos_dd_bil_to_ph_no_nn NOT NULL
 19  );
```

Table created.

```
SQL> -- create customers_dd
SQL> CREATE TABLE customers_dd
  2  (
  3  customer_no NUMBER(4)
  4      CONSTRAINT cust_dd_cust_no_pk PRIMARY KEY,
  5  bill_to_no NUMBER(4)
  6      CONSTRAINT cust_dd_bill_to_no_nn NOT NULL
  7      CONSTRAINT cust_dd_bill_to_no_fk1
  8          REFERENCES bill_tos_dd (bill_to_no),
  9  ship_to_no NUMBER(4)
 10      CONSTRAINT cust_dd_shp_to_no_nn NOT NULL
 11      CONSTRAINT cust_dd_shp_to_no_fk2
 12          REFERENCES ship_tos_dd (ship_to_no)
 13  );
```

Table created.

```
SQL>
SQL> -- create invoices_dd
SQL>
SQL> CREATE TABLE invoices_dd
  2  (
  3  invoice_no CHAR(9)
```

```
  4      CONSTRAINT inv_dd_inv_no_pk PRIMARY KEY,
  5   invoice_date DATE
  6      CONSTRAINT inv_dd_inv_date_nn NOT NULL,
  7   invoice_due_date DATE,
  8   invoice_ship_date DATE
  9      CONSTRAINT inv_dd_inv_shp_date_nn NOT NULL,
 10   invoice_po_no VARCHAR2(8),
 11   invoice_term VARCHAR2(20),
 12   customer_no NUMBER(4)
 13      CONSTRAINT inv_dd_cust_no_nn NOT NULL
 14      CONSTRAINT inv_dd_cust_no_fk1
 15         REFERENCES customers_dd (customer_no),
 16   sales_rep_no NUMBER(4)
 17      CONSTRAINT inv_dd_sales_rep_no_nn NOT NULL
 18      CONSTRAINT inv_dd_sales_rep_no_fk2
 19         REFERENCES sales_reps_dd (sales_rep_no)
 20   );
```

Table created.

```
SQL> -- create items_sold_dd
SQL>
SQL> CREATE TABLE items_sold_dd
  2   (
  3   invoice_no CHAR(9)
  4      CONSTRAINT items_sold_dd_inv_no_fk1
  5         REFERENCES invoices_dd (invoice_no),
  6   item_code CHAR(6)
  7      CONSTRAINT items_sold_dd_item_code_fk2
  8         REFERENCES items_dd (item_code),
  9   item_quantity_sold NUMBER(2)
 10      CONSTRAINT items_sold_dd_item_qty_sold_nn NOT NULL,
 11   item_price_each NUMBER(5,2)
 12      CONSTRAINT items_sold_dd_item_price_ea_nn NOT NULL,
 13   CONSTRAINT items_sold_inv_no_item_code_pk
 14         PRIMARY KEY (invoice_no, item_code)
 15   );
```

Table created.

```
SQL> --Describing the tables
SQL> DESCRIBE items_dd
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 ITEM_CODE                                 NOT NULL CHAR(6)
 ITEM_DESCRIPTION                          NOT NULL VARCHAR2(30)
 ITEM_PRICE_EACH                           NOT NULL NUMBER(5,2)

SQL> DESCRIBE sales_reps_dd
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 SALES_REP_NO                              NOT NULL NUMBER(4)
 SALES_REP_LAST_NAME                       NOT NULL VARCHAR2(30)
 SALES_REP_FIRST_NAME                      NOT NULL VARCHAR2(30)

SQL> DESCRIBE ship_tos_dd
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 SHIP_TO_NO                                NOT NULL NUMBER(4)
 SHIP_TO_NAME                              NOT NULL VARCHAR2(40)
 SHIP_TO_STREET                            NOT NULL VARCHAR2(30)
 SHIP_TO_CITY                              NOT NULL VARCHAR2(35)
 SHIP_TO_STATE                             NOT NULL CHAR(2)
 SHIP_TO_ZIPCODE                           NOT NULL CHAR(5)
 SHIP_TO_CONTACT_NAME                      NOT NULL VARCHAR2(20)
 SHIP_TO_PHONE_NO                          NOT NULL CHAR(10)

SQL> DESCRIBE bill_tos_dd
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 BILL_TO_NO                                NOT NULL NUMBER(4)
 BILL_TO_NAME                              NOT NULL VARCHAR2(40)
 BILL_TO_STREET                            NOT NULL VARCHAR2(30)
 BILL_TO_CITY                              NOT NULL VARCHAR2(35)
 BILL_TO_STATE                             NOT NULL CHAR(2)
 BILL_TO_ZIPCODE                           NOT NULL CHAR(5)
 BILL_TO_CONTACT_NAME                      NOT NULL VARCHAR2(20)
 BILL_TO_PHONE_NO                          NOT NULL CHAR(10)

SQL> DESCRIBE customers_dd
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 CUSTOMER_NO                               NOT NULL NUMBER(4)
 BILL_TO_NO                                NOT NULL NUMBER(4)
 SHIP_TO_NO                                NOT NULL NUMBER(4)

SQL> DESCRIBE invoices_dd
 Name                                      Null?    Type
```

```
----------------------------------------- -------- -----------------------------
 INVOICE_NO                               NOT NULL CHAR(9)
 INVOICE_DATE                             NOT NULL DATE
 INVOICE_DUE_DATE                                  DATE
 INVOICE_SHIP_DATE                        NOT NULL DATE
 INVOICE_PO_NO                                     VARCHAR2(8)
 INVOICE_TERM                                      VARCHAR2(20)
 CUSTOMER_NO                              NOT NULL NUMBER(4)
 SALES_REP_NO                             NOT NULL NUMBER(4)

SQL> DESCRIBE items_sold_dd
 Name                                     Null?    Type
 ----------------------------------------- -------- -----------------------------
 INVOICE_NO                               NOT NULL CHAR(9)
 ITEM_CODE                                NOT NULL CHAR(6)
 ITEM_QUANTITY_SOLD                       NOT NULL NUMBER(2)
 ITEM_PRICE_EACH                          NOT NULL NUMBER(5,2)

SQL> REM to get information about constraints:
SQL> COLUMN constraint_name FORMAT A32;
SQL> COLUMN column_name FORMAT A20;
SQL> COLUMN table_name FORMAT A15;
SQL> SELECT constraint_name, column_name, table_name
  2  FROM user_cons_columns
  3  WHERE constraint_name NOT LIKE 'BIN%'
  4  ORDER BY constraint_name;
```

CONSTRAINT_NAME	COLUMN_NAME	TABLE_NAME
BIL_TOS_DD_BIL_TO_CONT_NAME_NN	BILL_TO_CONTACT_NAME	BILL_TOS_DD
BIL_TOS_DD_BIL_TO_CTY_NN	BILL_TO_CITY	BILL_TOS_DD
BIL_TOS_DD_BIL_TO_NAME_NN	BILL_TO_NAME	BILL_TOS_DD
BIL_TOS_DD_BIL_TO_NO_PK	BILL_TO_NO	BILL_TOS_DD
BIL_TOS_DD_BIL_TO_PH_NO_NN	BILL_TO_PHONE_NO	BILL_TOS_DD
BIL_TOS_DD_BIL_TO_STR_NN	BILL_TO_STREET	BILL_TOS_DD
BIL_TOS_DD_BIL_TO_ST_NN	BILL_TO_STATE	BILL_TOS_DD
BIL_TOS_DD_BIL_TO_ZIP_NN	BILL_TO_ZIPCODE	BILL_TOS_DD
CUST_DD_BILL_TO_NO_FK1	BILL_TO_NO	CUSTOMERS_DD
CUST_DD_BILL_TO_NO_NN	BILL_TO_NO	CUSTOMERS_DD
CUST_DD_CUST_NO_PK	CUSTOMER_NO	CUSTOMERS_DD

CONSTRAINT_NAME	COLUMN_NAME	TABLE_NAME
CUST_DD_SHP_TO_NO_FK2	SHIP_TO_NO	CUSTOMERS_DD
CUST_DD_SHP_TO_NO_NN	SHIP_TO_NO	CUSTOMERS_DD
CUST_S_CUST_CITY_NN	CUSTOMER_CITY	CUSTOMERS_S
CUST_S_CUST_FIRST_NAME_NN	CUSTOMER_FIRST_NAME	CUSTOMERS_S
CUST_S_CUST_LAST_NAME_NN	CUSTOMER_LAST_NAME	CUSTOMERS_S

```
CUST_S_CUST_NO_PK                CUSTOMER_NO           CUSTOMERS_S
CUST_S_CUST_STATE_NN             CUSTOMER_STATE        CUSTOMERS_S
CUST_S_CUST_STREET_1_NN          CUSTOMER_STREET_1     CUSTOMERS_S
CUST_S_CUST_ZIP_NN               CUSTOMER_ZIP          CUSTOMERS_S
INV_DD_CUST_NO_FK1               CUSTOMER_NO           INVOICES_DD
INV_DD_CUST_NO_NN                CUSTOMER_NO           INVOICES_DD
```

CONSTRAINT_NAME	COLUMN_NAME	TABLE_NAME
INV_DD_INV_DATE_NN	INVOICE_DATE	INVOICES_DD
INV_DD_INV_NO_PK	INVOICE_NO	INVOICES_DD
INV_DD_INV_SHP_DATE_NN	INVOICE_SHIP_DATE	INVOICES_DD
INV_DD_SALES_REP_NO_FK2	SALES_REP_NO	INVOICES_DD
INV_DD_SALES_REP_NO_NN	SALES_REP_NO	INVOICES_DD
INV_S_CUST_NO_FK1	CUSTOMER_NO	INVOICES_S
INV_S_CUST_NO_NN	CUSTOMER_NO	INVOICES_S
INV_S_INV_DATE_NN	INVOICE_DATE	INVOICES_S
INV_S_INV_DISCOUNT_NN	INVOICE_DISCOUNT	INVOICES_S
INV_S_INV_NO_PK	INVOICE_NO	INVOICES_S
INV_S_INV_SALES_TAX_NN	INVOICE_SALES_TAX	INVOICES_S

CONSTRAINT_NAME	COLUMN_NAME	TABLE_NAME
INV_S_INV_SHIPPING_NN	INVOICE_SHIPPING	INVOICES_S
INV_S_SLSPER_NO_FK2	SALES_PERSON_NO	INVOICES_S
INV_S_SLSPER_NO_NN	SALES_PERSON_NO	INVOICES_S
ITEMS_DD_ITEM_CODE_PK	ITEM_CODE	ITEMS_DD
ITEMS_DD_ITEM_DESCRIPT_NN	ITEM_DESCRIPTION	ITEMS_DD
ITEMS_DD_ITEM_PRICE_EACH_NN	ITEM_PRICE_EACH	ITEMS_DD
ITEMS_SOLD_DD_INV_NO_FK1	INVOICE_NO	ITEMS_SOLD_DD
ITEMS_SOLD_DD_ITEM_CODE_FK2	ITEM_CODE	ITEMS_SOLD_DD
ITEMS_SOLD_DD_ITEM_PRICE_EA_NN	ITEM_PRICE_EACH	ITEMS_SOLD_DD
ITEMS_SOLD_DD_ITEM_QTY_SOLD_NN	ITEM_QUANTITY_SOLD	ITEMS_SOLD_DD
ITEMS_SOLD_INV_NO_ITEM_CODE_PK	ITEM_CODE	ITEMS_SOLD_DD

CONSTRAINT_NAME	COLUMN_NAME	TABLE_NAME
ITEMS_SOLD_INV_NO_ITEM_CODE_PK	INVOICE_NO	ITEMS_SOLD_DD
PRODSLD_S_INV_NO_FK1	INVOICE_NO	PRODUCTS_SOLD_S
PRODSLD_S_INV_NO_PROD_NO_PK	INVOICE_NO	PRODUCTS_SOLD_S
PRODSLD_S_INV_NO_PROD_NO_PK	PRODUCT_NO	PRODUCTS_SOLD_S
PRODSLD_S_PRODSLD_ITM_SLD_NN	PRODUCT_ITEM_SOLD	PRODUCTS_SOLD_S
PRODSLD_S_PRODSLD_UNIT_PR_NN	PRODUCT_UNIT_PRICE	PRODUCTS_SOLD_S
PRODSLD_S_PROD_NO_FK2	PRODUCT_NO	PRODUCTS_SOLD_S
PROD_S_PROD_DESC_NN	PRODUCT_DESCRIPTION	PRODUCTS_S
PROD_S_PROD_NO_PK	PRODUCT_NO	PRODUCTS_S
PROD_S_PROD_UNIT_PRICE_NN	PRODUCT_UNIT_PRICE	PRODUCTS_S
SHP_TOS_DD_SHP_TO_CONT_NAME_NN	SHIP_TO_CONTACT_NAME	SHIP_TOS_DD

CONSTRAINT_NAME	COLUMN_NAME	TABLE_NAME
SHP_TOS_DD_SHP_TO_CTY_NN	SHIP_TO_CITY	SHIP_TOS_DD
SHP_TOS_DD_SHP_TO_NAME_NN	SHIP_TO_NAME	SHIP_TOS_DD
SHP_TOS_DD_SHP_TO_NO_PK	SHIP_TO_NO	SHIP_TOS_DD
SHP_TOS_DD_SHP_TO_PH_NO_NN	SHIP_TO_PHONE_NO	SHIP_TOS_DD
SHP_TOS_DD_SHP_TO_STR_NN	SHIP_TO_STREET	SHIP_TOS_DD
SHP_TOS_DD_SHP_TO_ST_NN	SHIP_TO_STATE	SHIP_TOS_DD
SHP_TOS_DD_SHP_TO_ZIP_NN	SHIP_TO_ZIPCODE	SHIP_TOS_DD
SLES_REPS_DD_SALES_REP_NO_PK	SALES_REP_NO	SALES_REPS_DD
SLES_REPS_DD_SLES_RP_FIR_NM_NN	SALES_REP_FIRST_NAME	SALES_REPS_DD
SLES_REPS_DD_SLES_RP_LST_NM_NN	SALES_REP_LAST_NAME	SALES_REPS_DD
SLSPER_S_SLSPER_FIRST_NAME_NN	SALES_PERSON_FIRST_N	SALES_PERSONS_S

CONSTRAINT_NAME	COLUMN_NAME	TABLE_NAME
	AME	
SLSPER_S_SLSPER_LAST_NAME_NN	SALES_PERSON_LAST_NA ME	SALES_PERSONS_S
SLSPER_S_SLSPER_NO_PK	SALES_PERSON_NO	SALES_PERSONS_S

68 rows selected.

```
SQL> --Creating Sequences
SQL> CREATE SEQUENCE sales_rep_no_seq
  2    INCREMENT BY 1
  3    START WITH 100
  4    NOCACHE
  5    NOCYCLE;

Sequence created.

SQL>
SQL> CREATE SEQUENCE ship_to_no_seq
  2    INCREMENT BY 1
  3    START WITH 5000
  4    NOCACHE
  5    NOCYCLE;

Sequence created.

SQL>
SQL> CREATE SEQUENCE bill_to_no_seq
  2    INCREMENT BY 1
  3    START WITH 4000
  4    NOCACHE
  5    NOCYCLE;

Sequence created.

SQL>
SQL>  CREATE SEQUENCE customer_no_seq
  2    INCREMENT BY 1
  3    START WITH 5500
  4    NOCACHE
  5    NOCYCLE;

Sequence created.

SQL>
SQL>
SQL> REM to get information about sequences:
SQL> SELECT sequence_name, increment_by
  2  FROM user_sequences;

SEQUENCE_NAME
--------------------------------------------------------------------------------
```

```
INCREMENT_BY
------------
BILL_TO_NO_SEQ
          1


CUSTOMER_NO_SEQ
          1


CUST_CUST_NO_SEQ
          1



SEQUENCE_NAME
--------------------------------------------------------------------------------
INCREMENT_BY
------------
INVOICE_NO_SEQ
          1


SALES_REP_NO_SEQ
          1


SHIP_TO_NO_SEQ
          1


6 rows selected.
```

```
SQL> --insert data into items_dd
SQL>
SQL> INSERT INTO items_dd (item_code, item_description, item_price_each)
  2    VALUES ('PCBS', 'PRE-CUP BANANA SPLIT', 2.00);

1 row created.

SQL> INSERT INTO items_dd (item_code, item_description, item_price_each)
  2    VALUES ('PCCH', 'PRE-CUP CHOCOLATE', 2.00);

1 row created.

SQL> INSERT INTO items_dd (item_code, item_description, item_price_each)
  2    VALUES ('PCCTC', 'PRE-CUP COTTON CANDY', 2.00);

1 row created.

SQL> INSERT INTO items_dd (item_code, item_description, item_price_each)
  2    VALUES ('PCRB', 'PRE-CUP RAINBOW ICE', 2.00);

1 row created.

SQL> INSERT INTO items_dd (item_code, item_description, item_price_each)
  2    VALUES ('PCCD', 'PRE-CUP CHOCOLATE COOKIE DOUGH', 3.00);

1 row created.

SQL> INSERT INTO items_dd (item_code, item_description, item_price_each)
  2    VALUES ('PCCC', 'PRE-CUP COOKIES N CREAM', 3.00);

1 row created.

SQL> INSERT INTO items_dd (item_code, item_description, item_price_each)
  2    VALUES ('PCSD', 'PRE-CUP SNICKERDOODLE', 3.50);

1 row created.

SQL> INSERT INTO items_dd (item_code, item_description, item_price_each)
  2    VALUES ('PCBB', 'PRE-CUP BROWNIE BITES', 3.50);

1 row created.

SQL> --insert data into sales_reps_dd
SQL>
```

```
SQL> INSERT INTO sales_reps_dd (sales_rep_no, sales_rep_last_name,
sales_rep_first_name)
  2    VALUES (sales_rep_no_seq.nextval, 'Manuel', 'Jesus');

1 row created.

SQL> INSERT INTO sales_reps_dd (sales_rep_no, sales_rep_last_name,
sales_rep_first_name)
  2    VALUES (sales_rep_no_seq.nextval, 'Arnold', 'John');

1 row created.

SQL> INSERT INTO sales_reps_dd (sales_rep_no, sales_rep_last_name,
sales_rep_first_name)
  2    VALUES (sales_rep_no_seq.nextval, 'Smith', 'Keith');

1 row created.

SQL> INSERT INTO sales_reps_dd (sales_rep_no, sales_rep_last_name,
sales_rep_first_name)
  2    VALUES (sales_rep_no_seq.nextval, 'Shoeler', 'Pablo');

1 row created.

SQL>
SQL> --insert data into ship_tos_dd
SQL>
SQL> INSERT INTO ship_tos_dd (ship_to_no, ship_to_name, ship_to_street,
ship_to_city, ship_to_state, ship_to_zipcode, ship_to_contact_name,
ship_to_phone_no)
  2    VALUES (ship_to_no_seq.nextval, 'POMPANO BEACH HIGH SCHOOL', '600 NE 13th
AVE', 'Pompano Beach', 'FL', '33060', 'Chelson Exume', '9542977714');

1 row created.

SQL> INSERT INTO ship_tos_dd (ship_to_no, ship_to_name, ship_to_street,
ship_to_city, ship_to_state, ship_to_zipcode, ship_to_contact_name,
ship_to_phone_no)
  2    VALUES (ship_to_no_seq.nextval, 'FLORIDA ATLANTIC UNIVERSITY', '777 Glades
Rd', 'Boca Raton', 'FL', '33431', 'Sandy Carter', '5612976000');

1 row created.

SQL> INSERT INTO ship_tos_dd (ship_to_no, ship_to_name, ship_to_street,
ship_to_city, ship_to_state, ship_to_zipcode, ship_to_contact_name,
ship_to_phone_no)
  2    VALUES (ship_to_no_seq.nextval, 'PALM BEACH STATE COLLEGE', '4200 Congress
AVE', 'Lake Worth', 'FL', '33461', 'Ava Parker', '5619677222');
```

1 row created.

SQL> INSERT INTO ship_tos_dd (ship_to_no, ship_to_name, ship_to_street,
ship_to_city, ship_to_state, ship_to_zipcode, ship_to_contact_name,
ship_to_phone_no)
  2   VALUES (ship_to_no_seq.nextval, 'BOCA RATON HIGH SCHOOL', '1501 NW 15th Ct',
'Boca Raton', 'FL', '33486', 'Susie King', '5613381400');

1 row created.

SQL> INSERT INTO ship_tos_dd (ship_to_no, ship_to_name, ship_to_street,
ship_to_city, ship_to_state, ship_to_zipcode, ship_to_contact_name,
ship_to_phone_no)
  2   VALUES (ship_to_no_seq.nextval, 'BLANCHE ELY HIGH SCHOOL', '1200 NW 6th AVE',
'Pompano Beach', 'FL', '33060', 'Karlton Johnson', '7543220950');

1 row created.

SQL> INSERT INTO ship_tos_dd (ship_to_no, ship_to_name, ship_to_street,
ship_to_city, ship_to_state, ship_to_zipcode, ship_to_contact_name,
ship_to_phone_no)
  2
SQL> --insert data into bill_tos_dd
SQL>
SQL> INSERT INTO bill_tos_dd (bill_to_no, bill_to_name, bill_to_street,
bill_to_city, bill_to_state, bill_to_zipcode, bill_to_contact_name,
bill_to_phone_no)
  2   VALUES (bill_to_no_seq.nextval, 'POMPANO BEACH HIGH SCHOOL', '600 NE 13th
AVE', 'Pompano Beach', 'FL', '33060', 'Chelson Exume', '9542977714');

1 row created.

SQL> INSERT INTO bill_tos_dd (bill_to_no, bill_to_name, bill_to_street,
bill_to_city, bill_to_state, bill_to_zipcode, bill_to_contact_name,
bill_to_phone_no)
  2   VALUES (bill_to_no_seq.nextval, 'FLORIDA ATLANTIC UNIVERSITY', '777 Glades
Rd', 'Boca Raton', 'FL', '33431', 'Sandy Carter', '5612976000');

1 row created.

SQL> INSERT INTO bill_tos_dd (bill_to_no, bill_to_name, bill_to_street,
bill_to_city, bill_to_state, bill_to_zipcode, bill_to_contact_name,
bill_to_phone_no)
  2   VALUES (bill_to_no_seq.nextval, 'PALM BEACH STATE COLLEGE', '4200 Congress
AVE', 'Lake Worth', 'FL', '33461', 'Ava Parker', '5619677222');

1 row created.

```
SQL> INSERT INTO bill_tos_dd (bill_to_no, bill_to_name, bill_to_street,
bill_to_city, bill_to_state, bill_to_zipcode, bill_to_contact_name,
bill_to_phone_no)
  2    VALUES (bill_to_no_seq.nextval, 'BOCA RATON HIGH SCHOOL', '1501 NW 15th Ct',
'Boca Raton', 'FL', '33486', 'Susie King', '5613381400');

1 row created.

SQL> --insert data into customers_dd
SQL>
SQL> INSERT INTO customers_dd (customer_no, bill_to_no, ship_to_no)
  2    VALUES (5500, 4000, 5000);

1 row created.

SQL> INSERT INTO customers_dd (customer_no, bill_to_no, ship_to_no)
  2    VALUES (5501, 4001, 5001);

1 row created.

SQL> INSERT INTO customers_dd (customer_no, bill_to_no, ship_to_no)
  2    VALUES (5502, 4002, 5002);

1 row created.

SQL> INSERT INTO customers_dd (customer_no, bill_to_no, ship_to_no)
  2    VALUES (5503, 4003, 5003);

1 row created.

SQL> INSERT INTO customers_dd (customer_no, bill_to_no, ship_to_no)
  2    VALUES (5504, 4000, 5004);

1 row created.

SQL> INSERT INTO customers_dd (customer_no, bill_to_no, ship_to_no)
  2    VALUES (5505, 4002, 5002);

1 row created.

SQL> INSERT INTO customers_dd (customer_no, bill_to_no, ship_to_no)
  2    VALUES (5506, 4001, 5000);

1 row created.

SQL> INSERT INTO customers_dd (customer_no, bill_to_no, ship_to_no)
  2    VALUES (5507, 4003, 5004);
```

1 row created.

SQL> INSERT INTO customers_dd (customer_no, bill_to_no, ship_to_no)
  2   VALUES (5508, 4001, 5003);

1 row created.

SQL>
SQL> --insert data into invoices_dd
SQL>
SQL> INSERT INTO invoices_dd (invoice_no, invoice_date, invoice_due_date,
invoice_ship_date, invoice_po_no, invoice_term, customer_no, sales_rep_no)
  2   VALUES (2015-5139, '5-May-2015', '5-May-2015', '5-May-2015', 'PO813', 'Due on
receipt', 5500, 100);

1 row created.

SQL> INSERT INTO invoices_dd (invoice_no, invoice_date, invoice_due_date,
invoice_ship_date, invoice_po_no, invoice_term, customer_no, sales_rep_no)
  2   VALUES (2015-5140, '6-May-2015', '6-May-2015', '6-May-2015', 'PP180712', 'Due
upon delivery', 5501, 101);

1 row created.

SQL> INSERT INTO invoices_dd (invoice_no, invoice_date, invoice_due_date,
invoice_ship_date, invoice_po_no, invoice_term, customer_no, sales_rep_no)
  2   VALUES (2015-5141, '7-May-2015', '7-May-2015', '7-May-2015', '3245', '2/10 net
30', 5502, 102);

1 row created.

SQL> INSERT INTO invoices_dd (invoice_no, invoice_date, invoice_due_date,
invoice_ship_date, invoice_po_no, invoice_term, customer_no, sales_rep_no)
  2   VALUES (2015-5142, '8-May-2015', '8-May-2015', '8-May-2015', 'P590', 'Due on
receipt', 5503, 103);

1 row created.

SQL> INSERT INTO invoices_dd (invoice_no, invoice_date, invoice_due_date,
invoice_ship_date, invoice_po_no, invoice_term, customer_no, sales_rep_no)
  2   VALUES (2015-5143, '9-May-2015', '11-May-2015', '11-May-2015', '8345', 'Due
end of day', 5504, 103);

1 row created.

SQL> INSERT INTO invoices_dd (invoice_no, invoice_date, invoice_due_date,
invoice_ship_date, invoice_po_no, invoice_term, customer_no, sales_rep_no)

```
  2    VALUES (2015-5144, '10-May-2015', '12-May-2015', '12-May-2015', 'PN201872',
'Due on receipt', 5505, 100);

1 row created.

SQL> INSERT INTO invoices_dd (invoice_no, invoice_date, invoice_due_date,
invoice_ship_date, invoice_po_no, invoice_term, customer_no, sales_rep_no)
  2    VALUES (2015-5145, '11-May-2015', '13-May-2015', '13-May-2015', '18-0078',
'Due upon delivery', 5506, 101);

1 row created.

SQL> INSERT INTO invoices_dd (invoice_no, invoice_date, invoice_due_date,
invoice_ship_date, invoice_po_no, invoice_term, customer_no, sales_rep_no)
  2    VALUES (2015-5146, '12-May-2015', '14-May-2015', '14-May-2015', '617', '2/10
net 30', 5507, 102);

1 row created.

SQL> INSERT INTO invoices_dd (invoice_no, invoice_date, invoice_due_date,
invoice_ship_date, invoice_po_no, invoice_term, customer_no, sales_rep_no)
  2    VALUES (2015-5147, '13-May-2015', '15-May-2015', '15-May-2015', '7714', 'Due
on receipt', 5508, 103);

1 row created.

SQL> INSERT INTO invoices_dd (invoice_no, invoice_date, invoice_due_date,
invoice_ship_date, invoice_po_no, invoice_term, customer_no, sales_rep_no)
  2    VALUES (2015-5148, '14-May-2015', '18-May-2015', '18-May-2015', '8359', 'Due
end of day', 5504, 103);

1 row created.

SQL> INSERT INTO invoices_dd (invoice_no, invoice_date, invoice_due_date,
invoice_ship_date, invoice_po_no, invoice_term, customer_no, sales_rep_no)
  2    VALUES (2015-5149, '15-May-2015', '19-May-2015', '19-May-2015', 'PO827', 'Due
on receipt', 5500, 100);

1 row created.

SQL> INSERT INTO invoices_dd (invoice_no, invoice_date, invoice_due_date,
invoice_ship_date, invoice_po_no, invoice_term, customer_no, sales_rep_no)
  2    VALUES (2015-5150, '16-May-2015', '20-May-2015', '20-May-2015', 'PP180712',
'Due upon delivery', 5501, 101);

1 row created.

SQL>
```

```
SQL> --insert data into items_sold_dd
SQL>
SQL> INSERT INTO items_sold_dd (invoice_no, item_code, item_quantity_sold,
item_price_each)
  2    VALUES (2015-5139, 'PCBS', 24, 2.00);

1 row created.

SQL> INSERT INTO items_sold_dd (invoice_no, item_code, item_quantity_sold,
item_price_each)
  2    VALUES (2015-5139, 'PCCH', 24, 2.00);

1 row created.

SQL> INSERT INTO items_sold_dd (invoice_no, item_code, item_quantity_sold,
item_price_each)
  2    VALUES (2015-5139, 'PCCTC', 24, 2.00);

1 row created.

SQL> INSERT INTO items_sold_dd (invoice_no, item_code, item_quantity_sold,
item_price_each)
  2    VALUES (2015-5139, 'PCRB', 24, 2.00);

1 row created.

SQL> INSERT INTO items_sold_dd (invoice_no, item_code, item_quantity_sold,
item_price_each)
  2    VALUES (2015-5140, 'PCCD', 12, 3.00);

1 row created.

SQL> INSERT INTO items_sold_dd (invoice_no, item_code, item_quantity_sold,
item_price_each)
  2    VALUES (2015-5141, 'PCCC', 60, 3.00);

1 row created.

SQL> INSERT INTO items_sold_dd (invoice_no, item_code, item_quantity_sold,
item_price_each)
  2    VALUES (2015-5141, 'PCCD', 60, 3.00);

1 row created.

SQL> INSERT INTO items_sold_dd (invoice_no, item_code, item_quantity_sold,
item_price_each)
  2    VALUES (2015-5142, 'PCBS', 60, 2.00);
```

1 row created.

SQL> INSERT INTO items_sold_dd (invoice_no, item_code, item_quantity_sold,
item_price_each)
  2   VALUES (2015-5142, 'PCCH', 60, 2.00);

1 row created.

SQL> INSERT INTO items_sold_dd (invoice_no, item_code, item_quantity_sold,
item_price_each)
  2   VALUES (2015-5142, 'PCCC', 60, 3.00);

1 row created.

SQL> INSERT INTO items_sold_dd (invoice_no, item_code, item_quantity_sold,
item_price_each)
  2   VALUES (2015-5143, 'PCBS', 36, 2.00);

1 row created.

SQL> INSERT INTO items_sold_dd (invoice_no, item_code, item_quantity_sold,
item_price_each)
  2   VALUES (2015-5143, 'PCCH', 36, 2.00);

1 row created.

SQL> INSERT INTO items_sold_dd (invoice_no, item_code, item_quantity_sold,
item_price_each)
  2   VALUES (2015-5143, 'PCCTC, 36, 2.00);
ERROR:
ORA-01756: quoted string not properly terminated

SQL> INSERT INTO items_sold_dd (invoice_no, item_code, item_quantity_sold,
item_price_each)
  2   VALUES (2015-5144, 'PCCC', 24, 3.00);

1 row created.

SQL> INSERT INTO items_sold_dd (invoice_no, item_code, item_quantity_sold,
item_price_each)
  2   VALUES (2015-5144, 'PCBS', 48, 2.00);

1 row created.

SQL> INSERT INTO items_sold_dd (invoice_no, item_code, item_quantity_sold,
item_price_each)
  2   VALUES (2015-5145, 'PCBS', 48, 2.00);

1 row created.

SQL> INSERT INTO items_sold_dd (invoice_no, item_code, item_quantity_sold,
item_price_each)
  2   VALUES (2015-5146, 'PCRB', 60, 2.00);

1 row created.

SQL> INSERT INTO items_sold_dd (invoice_no, item_code, item_quantity_sold,
item_price_each)
  2   VALUES (2015-5146, 'PCCH', 60, 2.00);

1 row created.

SQL> INSERT INTO items_sold_dd (invoice_no, item_code, item_quantity_sold,
item_price_each)
  2   VALUES (2015-5147, 'PCCD', 60, 3.00);

1 row created.

SQL> INSERT INTO items_sold_dd (invoice_no, item_code, item_quantity_sold,
item_price_each)
  2   VALUES (2015-5147, 'PCCH', 24, 2.00);

1 row created.

SQL> INSERT INTO items_sold_dd (invoice_no, item_code, item_quantity_sold,
item_price_each)
  2   VALUES (2015-5148, 'PCCC', 12, 3.00);

1 row created.

SQL> INSERT INTO items_sold_dd (invoice_no, item_code, item_quantity_sold,
item_price_each)
  2   VALUES (2015-5149, 'PCCH', 24, 2.00);

1 row created.

SQL> INSERT INTO items_sold_dd (invoice_no, item_code, item_quantity_sold,
item_price_each)
  2   VALUES (2015-5150, 'PCCH', 24, 2.00);

1 row created.

SQL> INSERT INTO items_sold_dd (invoice_no, item_code, item_quantity_sold,
item_price_each)
  2   VALUES (2015-5150, 'PCBS', 60, 2.00);

1 row created.

SQL> INSERT INTO items_sold_dd (invoice_no, item_code, item_quantity_sold,
item_price_each)
  2   VALUES (2015-5150, 'PCCTC', 24, 2.00);

1 row created.

SQL>