1. **Opportunities**
   1. OPP\_ID
   2. ACCT\_ID
   3. CAT\_ID
2. **Quotes**
   1. QUOTE\_ID
   2. OPP\_ID
   3. CAT\_ID
   4. QUOTE\_PRICE
   5. QUOTE\_QTY
3. **Contacts**
   1. CON\_ID
   2. ACCT\_ID
4. **Orders**
   1. ORD\_ID
   2. ACCT\_ID
   3. QUOTE\_ID
   4. CAT\_ID
   5. ORD\_PRICE
   6. ORD\_QTY
5. **Transactions**
   1. TRANS\_ID
   2. ACCT\_ID
   3. TRANS\_AMT
6. **Payments**
   1. PAY\_ID
   2. TRANS\_ID
   3. TRANS\_AMT
7. **Shipments**
   1. SHIP\_NUM\_ID
   2. ACCT\_ID
   3. ORD\_ID
8. **Invoices**
   1. INVOICE\_ID
   2. CAT\_DESC
   3. ORD\_QTY
   4. ORD\_PRICE
   5. INV\_AMT

CREATE OR REPLACE PROCEDURE SP\_Generate\_an\_Invoice\_Number

IS

V\_ACCT\_NAME varchar2(50);

V\_ACCT\_ID NUMBER;

V\_CON\_FIRST varchar2(50);

V\_CON\_LAST varchar2(50);

V\_ORD\_ID NUMBER;

V\_ORD\_QTY NUMBER;

V\_ORD\_PRICE NUMBER(7,2);

V\_CAT\_DESC varchar2(50);

V\_INV\_AMT NUMBER(8,2);

V\_INVOICES\_CREATED\_DATE DATE;

V\_SHIP\_NUM\_ID NUMBER;

V\_SHIP\_CREATED\_DATE DATE;

BEGIN

SELECT ACCT\_NAME, ACCT\_ID

INTO V\_ACCT\_NAME, V\_ACCT\_ID

FROM Accounts

WHERE ACCT\_ID = 912347;

SELECT CON\_FIRST, CON\_LAST

INTO V\_CON\_FIRST, V\_CON\_LAST

FROM Contacts

WHERE ACCT\_ID = 912347;

SELECT ORD\_ID, ORD\_QTY, ORD\_PRICE

INTO V\_ORD\_ID, V\_ORD\_QTY, V\_ORD\_PRICE

FROM Orders

WHERE ACCT\_ID = 912347;

SELECT CAT\_DESC

INTO V\_CAT\_DESC

FROM Catalog

WHERE ORD\_ID = 2212348;

SELECT INV\_AMT, INVOICES\_CREATED\_DATE

INTO V\_INV\_AMT, V\_INVOICES\_CREATED\_DATE

FROM Invoices

WHERE CAT\_ID = 612347;

SELECT SHIP\_NUM\_ID, SHIP\_CREATED\_DATE

INTO V\_SHIP\_NUM\_ID, V\_SHIP\_CREATED\_DATE

FROM Shipments

WHERE ACCT\_ID = 912347;

COMMIT;

DBMS\_OUTPUT.PUT\_LINE('Customer Customer ID First Last Order Number Order Qty Order Price Description Invoice Amount Invoice Date Shipping Number Ship Date');

DBMS\_OUTPUT.PUT\_LINE('-------- ----------- ------ --------- ------------ ----------- ----------- ------------ -------------- ------------ --------------- ---------');

DBMS\_OUTPUT.PUT\_LINE(V\_ACCT\_NAME || ' ' || V\_ACCT\_ID || ' ' || V\_CON\_FIRST || ' ' || V\_CON\_LAST || ' ' || V\_ORD\_ID || ' ' || V\_ORD\_QTY || ' ' || V\_ORD\_PRICE || ' ' || ' ' || V\_CAT\_DESC || ' ' || V\_INV\_AMT || ' ' || V\_INVOICES\_CREATED\_DATE || ' ' || V\_SHIP\_NUM\_ID || ' ' || V\_SHIP\_CREATED\_DATE);

END SP\_Generate\_an\_Invoice\_Number;

/

EXEC SP\_GENERATE\_AN\_INVOICE\_NUMBER;