CREATE TABLE CUSTOMERS(CUST\_NO NUMBER(3),CNAME VARCHAR(10),CITY VARCHAR2(20),PRIMARY KEY(CUST\_NO));

CREATE TABLE ORDERS(ORDER\_NO NUMBER(3),O\_DATE DATE,CUST\_NO NUMBER(3),ORD\_AMT REAL,PRIMARY KEY(ORDER\_NO),FOREIGN KEY(CUST\_NO) REFERENCES CUSTOMERS);

CREATE TABLE ITEM(ITEM\_NO NUMBER(3),UNIT\_PRICE REAL,PRIMARY KEY(ITEM\_NO));

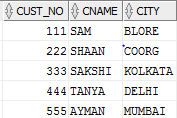
CREATE TABLE ORDER\_ITEM(ORDER\_NO NUMBER(3),ITEM\_NO NUMBER(3),QTY NUMBER(3),FOREIGN KEY(ORDER\_NO) REFERENCES ORDERS,FOREIGN KEY(ITEM\_NO) REFERENCES ITEM ON DELETE SET NULL);

CREATE TABLE WAREHOUSE(WAREHOUSE\_NO NUMBER(3), CITY VARCHAR2(20),PRIMARY KEY(WAREHOUSE\_NO));

CREATE TABLE SHIPMENT(ORDER\_NO NUMBER(3),WAREHOUSE\_NO NUMBER(3),SHIP\_DATE DATE,FOREIGN KEY(ORDER\_NO) REFERENCES ORDERS,FOREIGN KEY(WAREHOUSE\_NO) REFERENCES WAREHOUSE);

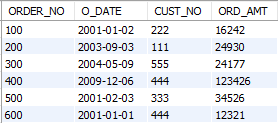
INSERT INTO CUSTOMERS VALUES(&CUST\_NO,'&CNAME','&CITY');

SELECT \* FROM CUSTOMERS;



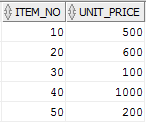
INSERT INTO ORDERS VALUES(&ORDER\_NO,'&O\_DATE',&CUST\_NO,&ORD\_AMT);

SELECT \* FROM ORDERS;



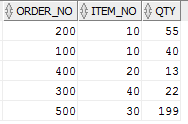
INSERT INTO ITEM VALUES(&ITEM\_NO,&UNIT\_PRICE);

SELECT \* FROM ITEM;



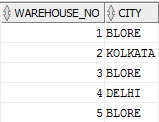
INSERT INTO ORDER\_ITEM VALUES(&OREDR\_NO,&ITEM\_NO,&QTY);

SELECT \* FROM ORDER\_ITEM;



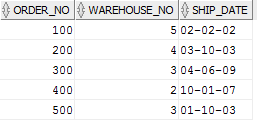
INSERT INTO WAREHOUSE VALUES(&WAREHOUSE\_NO,'&CITY');

SELECT \* FROM WAREHOUSE;

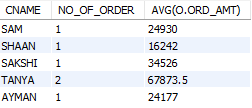


INSERT INTO SHIPMENT VALUES(&ORDER\_NO,&WAREHOUSE\_NO,'&SHIP\_DATE');

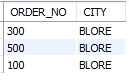
SELECT \* FROM SHIPMENT;



SELECT C.CNAME, COUNT(\*) AS NO\_OF\_ORDER,AVG(O.ORD\_AMT) FROM CUSTOMERS C,ORDERS O WHERE C.CUST\_NO=O.CUST\_NO GROUP BY(O.CUST\_NO);



SELECT S.ORDER\_NO,W.CITY FROM SHIPMENT S,WAREHOUSE W WHERE S.WAREHOUSE\_NO=W.WAREHOUSE\_NO AND W.CITY="BLORE";



ALTER TABLE ORDER\_ITEM ADD CONSTRAINT FOREIGN KEY(ITEM\_NO) REFERENCES ITEM(ITEM\_NO) ON DELETE SET NULL;

DELETE FROM ITEM WHERE ITEM\_NO=10;

SELECT \* FROM ITEM;

