

Cheat Sheet Databases 1 Multiple table create and select; create from existing table

Application	Code example
Remove a table	DROP TABLE MEMBER;
Change a table's structure - Add a column	ALTER TABLE MEMBER ADD SUPERMEMBERYN CHAR;
Rename a column	ALTER TABLE MEMBER RENAME COLUMN SUPERMEMBERYN TO GOODMEMBERYN;
Change a table's structure - Drop a column	ALTER TABLE MEMBER DROP COLUMN SUPERMEMBERYN;
Change a table's structure - add a constraint	ALTER TABLE MEMBER ADD CONSTRAINT CHKDTE check (MRenewDate > MDateOfBirth + 3650);
Change a table's structure - drop a constraint	ALTER TABLE MEMBER DROP CONSTRAINT CHKDTE;
Master to detail creates or Creating Joined Tables	<pre>CREATE TABLE Supplier (Supplier_Id NUMBER(7) PRIMARY KEY, Supplier_Name VARCHAR2(25) not null, Supplier_Address VARCHAR2(80) not null, Amount_Owed NUMBER(10,2)); CREATE TABLE Stock (Stock_Code CHAR(5) PRIMARY KEY, Stock_Description VARCHAR2(20) not null, Unit_Price NUMBER(10,2) not null, UnitCostPrice NUMBER(10,2) not null, Stock_level NUMBER(7) not null, Reorder_level NUMBER(7), Supplier_Id NUMBER(7) not null REFERENCES Supplier);</pre>
Selecting from joined tables where the primary key attribute in one has the same name as the foreign key attribute in the other.	<pre>Select * from stock join supplier using (supplier id);</pre>
Valid datatypes	CHAR(5), VARCHAR2(40), NUMBER(3), NUMBER(8,2), DATE
Constraints	NULL, NOT NULL, UNIQUE, CHECK, PRIMARY KEY, REFERENCES
Default	Comes after constraints.
Create a table from an existing table	CREATE TABLE MY_CLUB AS (SELECT CLUBID, C_NAME, C_LOCATION FROM POBYRNE.CLUB);
Populating one table from another	INSERT INTO MY_CLUB (SELECT CLUB_ID, C_NAME, C_LOCATION FROM POBYRNE.CLUB);
Changing values in a table	UPDATE STOCK SET unit_price = 50, unitcostprice=40 WHERE STOCK_CODE = 'A101';
Deleting rows from a table	DELETE FROM STOCK where Supplier id = 54;