

# Cheat Sheet Databases 1 CREATE and INSERT

Application	Code example
Create a table with columns and datatypes	<pre>CREATE TABLE CLIENT ( CNO number(6), CCurrent CHAR (1), CName varchar2(50), CDateOfBirth DATE, CAmountOwed Number(7,2), CEmail VARCHAR2(50), CNOChildren number(2), CRenewDate DATE);</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 with constraints and defaults	<pre>CREATE TABLE CLIENT ( CNO number(6) PRIMARY KEY, CCurrent CHAR default 'Y' not null CHECK (CCurrent in ('Y', 'N')), CName varchar2(50) NOT NULL, CDateOfBirth DATE NOT NULL, CAmountOwed Number(7,2), CEmail VARCHAR2(50) null UNIQUE, CNOChildren number(2) default 0, CRenewDate DATE default SYSDATE+365) CHECK (CRenewDate &gt; CDateOfBirth + 3650);</pre>
Full insert	<pre>INSERT INTO CLIENT VALUES ( 654322, 'Y', 'Freddy', '13-Mar-78', 0, 'FREDDY@CLUB.IE', 0, '01-MAR-17');</pre>
Partial Insert	<pre>insert into CLIENT (CNO, CName, CDateofbirth) values (654325, 'Harry', '01-JAN-1997');</pre>
Remove a table	DROP TABLE CLIENT;
Change a table's structure - Add a column	ALTER TABLE CLIENT ADD SUPERCLIENTYN CHAR;
Change a table's structure - Drop a column	ALTER TABLE CLIENT DROP COLUMN SUPERCLIENTYN;
Change a table's structure - add a constraint	ALTER TABLE CLIENT ADD CONSTRAINT CHKDTE check (CRenewDate > CDateOfBirth + 3650);
Change a table's structure - drop a constraint	ALTER TABLE CLIENT DROP CONSTRAINT CHKDTE;