

```
CREATE DATABASE mydb;
```

```
USE mydb;
```

```
CREATE TABLE employee (  
    num        char(6),  
    name       char(8),  
    sex        enum('F','M'),  
    birth      date,  
    age        tinyint,  
    address    char(28)  
);
```

```
CREATE TABLE score (  
    num        char(6),  
    name       char(8),  
    sex        enum('F','M'),  
    chinese    tinyint,  
    english    tinyint,  
    math       tinyint  
);
```

```
CREATE TABLE city (  
    city_code char (3) NOT NULL ,  
    city_name char (10) NOT NULL ,  
    PRIMARY KEY (city_code)  
);
```

```
CREATE TABLE suppliers (  
    supp_code char (3) NOT NULL ,  
    supp_name char (15) NOT NULL ,  
    city_code char (3) NOT NULL ,  
    PRIMARY KEY (supp_code)  
);
```

```
CREATE TABLE products (  
    prod_num int NOT NULL ,  
    supp_code char (3) NOT NULL ,
```

```
description char (15) NOT NULL ,  
unit_price float NULL ,  
PRIMARY KEY (prod_num, supp_code)  
);
```

```
CREATE TABLE dealers (  
    distr_num int AUTO_INCREMENT NOT NULL ,  
    boss_name char (16) NOT NULL ,  
    company char (20) NOT NULL ,  
    city_code char (3) NOT NULL ,  
    address char (30) NOT NULL ,  
    phone char (12) NOT NULL ,  
    PRIMARY KEY (distr_num),  
    FOREIGN KEY(city_code) REFERENCES city(city_code)  
);
```

```
CREATE TABLE orders (  
    order_num int AUTO_INCREMENT NOT NULL ,  
    order_date date NOT NULL ,  
    distr_num int NOT NULL ,  
    paid_date date NULL ,  
    paid_ok enum('Y','N'),  
    PRIMARY KEY (order_num)  
);
```

```
CREATE TABLE items (  
    order_num int NOT NULL ,  
    item_num int NOT NULL ,  
    prod_num int NOT NULL ,  
    supp_code char (3) NOT NULL ,  
    quantity int NOT NULL ,  
    subtotal float NOT NULL ,  
    PRIMARY KEY (order_num, item_num )  
);
```

```
CREATE TABLE temp (  
    num      char(6),  
    name     char(8),
```

```
sex      enum('F','M'),
birth    date,
age      tinyint,
address  char(28)
);
```

```
CREATE TABLE memberA (
    num      char(6),
    name     char(8),
    sex      enum('F','M'),
    address  char(28)
);
```

```
CREATE TABLE memberB (
    num      char(6),
    name     char(8),
    sex      enum('F','M'),
    address  char(28)
);
```

```
insert into city values("TPE", "台北市");
insert into city values("KAO", "高雄市");
insert into city values("TPH", "新北市");
insert into city values("TYH", "桃園市");
insert into city values("HCH", "新竹縣");
insert into city values("MLH", "苗栗縣");
insert into city values("CHH", "彰化縣");
insert into city values("YLH", "雲林縣");
insert into city values("JYH", "嘉義縣");
insert into city values("PTH", "屏東縣");
insert into city values("ILH", "宜蘭縣");
insert into city values("HLH", "花蓮縣");
insert into city values("TTH", "台東縣");
insert into city values("PHH", "澎湖縣");
insert into city values("NTH", "南投縣");
insert into city values("TCC", "台中市");
insert into city values("TNC", "台南市");
insert into city values("JYC", "嘉義市");
```

insert into city values("KLC", "基隆市");  
insert into city values("HCC", "新竹市");

insert into suppliers values("HHT", "穎宏科技","TPE");  
insert into suppliers values("CFC", "資豐電腦","TYH");  
insert into suppliers values("WCC", "瑋智資訊","HCH");  
insert into suppliers values("HFT", "會方科技","TPE");  
insert into suppliers values("HSC", "新碩電腦","TCH");  
insert into suppliers values("FYC", "富揚資訊","TPH");  
insert into suppliers values("HKC", "和康電腦","TPH");  
insert into suppliers values("PRC", "百潤電腦","TPE");  
insert into suppliers values("NKC", "寧康電腦","TYH");

insert into products values (1, "HSC", "主機板", 2500);  
insert into products values (1, "HFT", "主機板", 8000);  
insert into products values (1, "HHT", "主機板", 4500);  
insert into products values (2, "HSC", "唯讀式光碟機", 1260);  
insert into products values (3, "HFT", "可燒錄式光碟機", 2400);  
insert into products values (4, "HFT", "中央處理器", 9600);  
insert into products values (4, "HSC", "中央處理器", 4800);  
insert into products values (5, "WCC", "滑鼠", 280);  
insert into products values (5, "HHT", "滑鼠", 250);  
insert into products values (5, "CFC", "滑鼠", 200);  
insert into products values (6, "HHT", "鍵盤", 360);  
insert into products values (6, "CFC", "鍵盤", 480);  
insert into products values (7, "HSC", "17 吋螢幕", 6000);  
insert into products values (8, "CFC", "19 吋螢幕", 8400);  
insert into products values (9, "CFC", "10M 網路卡", 200);  
insert into products values (101, "PRC", "100M 網路卡", 880);  
insert into products values (101, "FYC", "100M 網路卡", 680);  
insert into products values (102, "FYC", "60G 硬式磁碟", 2200);  
insert into products values (102, "PRC", "60G 硬式磁碟", 4800);  
insert into products values (103, "PRC", "3.5 吋軟碟機", 200);  
insert into products values (104, "PRC", "VGA 卡", 580);  
insert into products values (105, "PRC", "音效卡", 530);  
insert into products values (105, "FYC", "音效卡", 800);  
insert into products values (106, "PRC", "電源延長線", 230);  
insert into products values (107, "PRC", "防毒軟體", 700);

insert into products values (108, "FYC", "護目鏡",	450);
insert into products values (109, "PRC", "天線",	300);
insert into products values (109, "FYC", "天線",	2000);
insert into products values (110, "PRC", "14 吋螢幕",	2360);
insert into products values (110, "CFC", "14 吋螢幕",	2440);
insert into products values (110, "FYC", "14 吋螢幕",	2280);
insert into products values (110, "HSC", "14 吋螢幕",	2600);
insert into products values (110, "HFT", "14 吋螢幕",	3080);
insert into products values (111, "FYC", "15 吋螢幕",	4990);
insert into products values (112, "FYC", "15 吋螢幕",	5490);
insert into products values (113, "FYC", "15 吋螢幕",	6850);
insert into products values (114, "PRC", "電腦桌",	1200);
insert into products values (201, "NKC", "報表紙",	380);
insert into products values (201, "CFC", "報表紙",	750);
insert into products values (201, "HKC", "報表紙",	900);
insert into products values (200, "NKC", "數據機",	1740);
insert into products values (202, "HKC", "無線網路卡",	2300);
insert into products values (203, "NKC", "21 吋螢幕",	6700);
insert into products values (204, "HKC", "電纜線",	450);
insert into products values (205, "NKC", "40G 硬式磁碟",	3120);
insert into products values (205, "CFC", "40G 硬式磁碟",	3120);
insert into products values (205, "HSC", "40G 硬式磁碟",	3120);
insert into products values (301, "NKC", "點陣式印表機",	970);
insert into products values (301, "HSC", "點陣式印表機",	420);
insert into products values (301, "FYC", "點陣式印表機",	1020);
insert into products values (301, "PRC", "點陣式印表機",	750);
insert into products values (301, "HKC", "點陣式印表機",	870);
insert into products values (301, "CFC", "點陣式印表機",	950);
insert into products values (302, "HSC", "鍵盤轉接頭",	60);
insert into products values (302, "HKC", "鍵盤轉接頭",	50);
insert into products values (303, "PRC", "光碟片",	480);
insert into products values (303, "HKC", "光碟片",	360);
insert into products values (304, "CFC", "20G 硬式磁碟",	1700);
insert into products values (304, "HSC", "20G 硬式磁碟",	2800);
insert into products values (305, "HSC", "傳真紙",	480);
insert into products values (306, "PRC", "10G 硬式磁碟",	1600);
insert into products values (306, "FYC", "10G 硬式磁碟",	1900);
insert into products values (307, "PRC", "25G 硬式磁碟",	2800);

insert into products values (309, "PRC", "耳機", 400);  
insert into products values (309, "FYC", "耳機", 400);  
insert into products values (310, "FYC", "音箱", 800);  
insert into products values (310, "CFC", "音箱", 840);  
insert into products values (311, "FYC", "滑鼠墊", 480);  
insert into products values (312, "FYC", "ISDN 卡", 960);  
insert into products values (312, "HSC", "ISDN 卡", 720);  
insert into products values (313, "FYC", "UPS", 600);  
insert into products values (313, "CFC", "UPS", 600);

insert into dealers values (1001, "李明憲", "貝特電腦", "TPE",  
"基隆路 2 段 13 號之 3", "0229178129");  
insert into dealers values (NULL, "李進中", "迅美科技", "TPE",  
"復興南路 2 段 83 巷 12 號", "0223588450");  
insert into dealers values (NULL, "張江悅", "亞都電腦", "TPE",  
"南京東路 1 段 25 巷 9 號", "0229826543");  
insert into dealers values (NULL, "張勝明", "志欣資訊", "TPE",  
"木新路 3 段 310 巷 12 弄 8 號之 4", "0227816590");  
insert into dealers values (NULL, "張鴻文", "傑印電腦", "TPE",  
"南京東路 4 段 50 號之 3", "0227111029");  
insert into dealers values (NULL, "林文淵", "進和資訊", "TPE",  
"民權東路 6 段 207 號", "0229312954");  
insert into dealers values (NULL, "林宏明", "皓遠科技", "TPE",  
"興隆路 2 段 203 巷 11 號", "0227738793");  
insert into dealers values (NULL, "林金勇", "新州電腦", "TPE",  
"師大路 184 號", "0223675806");  
insert into dealers values (NULL, "周志發", "意佳科技", "TPE",  
"忠孝東路 1 段 85 號之 12", "0227817894");  
insert into dealers values (NULL, "周宏祥", "華興資訊", "TPE",  
"長春路 172 巷 8 號", "0225422348");  
insert into dealers values (NULL, "周聖林", "長佑實業", "TPE",  
"莊敬路 235 巷 42 號", "0228673214");  
insert into dealers values (NULL, "趙正武", "寄異國際", "TPE",  
"敦化北路 185 號 5 樓", "0229315389");  
insert into dealers values (NULL, "錢英仁", "保華工業", "TPE",  
"和平東路 2 段 121 巷 3 號", "0229872154");  
insert into dealers values (NULL, "孫一鳴", "萬眾資訊", "TPE",  
"金華街 86 號", "0223814033");

insert into dealers values (NULL, "吳榮輝", "建功電腦", "TPE",  
 "仁愛路 2 段 71 號 5 樓", "0225439875");  
 insert into dealers values (NULL, "鄭明典", "恆祥科技", "TPE",  
 "吉林路 142 之 1 號 6 樓", "0227219204");  
 insert into dealers values (NULL, "王忠偉", "啟先電腦", "TPE",  
 "杭州南路 1 段 27 號", "0228503310");  
 insert into dealers values (NULL, "秦祖和", "永餘資訊", "TPE",  
 "長安東路 2 段 81 號", "0226549812");  
 insert into dealers values (NULL, "陳崇剛", "文泰科技", "TPH",  
 "羅斯福路 3 段 200 號 12 樓", "0225642319");  
 insert into dealers values (NULL, "陳信德", "天河資訊", "TYH",  
 "治平路 2 段 97 號", "036549812" );  
 insert into dealers values (NULL, "江仁義", "南陽實業", "ILH",  
 "富強路 2 段 14 巷 34 號", "033456129" );  
 insert into dealers values (NULL, "項立明", "松雨資訊", "TPH",  
 "新莊路 2 段 54 號 2 樓", "0227868567");  
 insert into dealers values (NULL, "曾嘉文", "怡佳企業", "HCH",  
 "建功路 34 號 4 樓", "033917534" );  
 insert into dealers values (NULL, "黃孟正", "常毅資訊", "TNC",  
 "大學路 54 號 3 樓", "062732853" );  
 insert into dealers values (NULL, "邱振民", "文林貿易", "KAO",  
 "中山路 1 段 87 號 5 樓", "077269876" );  
 insert into dealers values (NULL, "洪仁中", "明湖科技", "TCC",  
 "建國北路一段 110 號", "042876436" );  
 insert into dealers values (NULL, "飽漢宗", "長甫企業", "CHH",  
 "南莊路 3 段 189 號 12 樓", "027166697" );

insert into orders values (101, "2012/05/20", 1004, "2012/07/22", 'Y');  
 insert into orders values (NULL, "2012/05/21", 1001, "2012/06/03", 'Y');  
 insert into orders values (NULL, "2012/05/22", 1004, "2012/06/14", 'Y');  
 insert into orders values (NULL, "2012/05/22", 1006, NULL, 'N' );  
 insert into orders values (NULL, "2012/05/24", 1016, "2012/06/21", 'Y');  
 insert into orders values (NULL, "2012/05/30", 1012, NULL, 'N' );  
 insert into orders values (NULL, "2012/05/31", 1017, NULL, 'N' );  
 insert into orders values (NULL, "2012/06/07", 1010, "2012/07/21", 'Y');  
 insert into orders values (NULL, "2012/06/14", 1011, "2012/08/21", 'N');  
 insert into orders values (NULL, "2012/06/17", 1015, "2012/08/22", 'N');  
 insert into orders values (NULL, "2012/06/18", 1004, "2012/08/29", 'Y');

```

insert into orders values (NULL, "2012/06/18", 1017, NULL, 'N'      );
insert into orders values (NULL, "2012/06/23", 1004, "2012/07/31", 'N');
insert into orders values (NULL, "2012/06/25", 1006, "2012/07/10", 'N');
insert into orders values (NULL, "2012/06/27", 1010, "2012/08/31", 'N');
insert into orders values (NULL, "2012/06/29", 1019, NULL, 'N'      );
insert into orders values (NULL, "2012/07/09", 1020, NULL, 'N'      );
insert into orders values (NULL, "2012/07/10", 1021, "2012/08/06", 'Y');

```

```

insert into items values (101, 1, 1, "HSC", 1, 2500);
insert into items values (102, 1, 4, "HFT", 1, 9600);
insert into items values (102, 2, 3, "HFT", 1, 2400);
insert into items values (103, 1, 9, "CFC", 1, 200);
insert into items values (103, 2, 8, "CFC", 1, 8400);
insert into items values (103, 3, 5, "CFC", 5, 1000);
insert into items values (104, 1, 1, "HSC", 1, 2500);
insert into items values (104, 2, 2, "HSC", 1, 1260);
insert into items values (104, 3, 3, "HFT", 1, 2400);
insert into items values (104, 4, 1, "HFT", 1, 8000);
insert into items values (105, 1, 5, "WCC", 10, 2800);
insert into items values (105, 2, 5, "CFC", 10, 2000);
insert into items values (105, 3, 6, "HHT", 1, 360);
insert into items values (105, 4, 6, "CFC", 1, 480);
insert into items values (106, 1, 5, "HHT", 5, 1250);
insert into items values (106, 2, 5, "WCC", 5, 1400);
insert into items values (106, 3, 5, "CFC", 5, 1000);
insert into items values (106, 4, 6, "HHT", 1, 360);
insert into items values (106, 5, 6, "CFC", 1, 480);
insert into items values (107, 1, 1, "HSC", 1, 2500);
insert into items values (107, 2, 2, "HSC", 1, 1260);
insert into items values (107, 3, 3, "HFT", 1, 2400);
insert into items values (107, 4, 4, "HSC", 1, 4800);
insert into items values (107, 5, 7, "HSC", 1, 6000);
insert into items values (108, 1, 8, "CFC", 1, 8400);
insert into items values (108, 2, 9, "CFC", 5, 1000);
insert into items values (109, 1, 1, "HHT", 1, 4500);
insert into items values (110, 1, 6, "HHT", 1, 360);
insert into items values (110, 2, 6, "CFC", 1, 480);
insert into items values (111, 1, 5, "CFC", 5, 1000);

```



```

insert into items values (112, 1, 8, "CFC", 1, 8400);
insert into items values (112, 2, 9, "CFC", 10, 2000);
insert into items values (113, 1, 5, "CFC", 1, 200);
insert into items values (113, 2, 6, "HHT", 1, 360);
insert into items values (113, 3, 6, "CFC", 1, 480);
insert into items values (113, 4, 9, "CFC", 2, 400);
insert into items values (114, 1, 4, "HFT", 1, 9600);
insert into items values (114, 2, 4, "HSC", 1, 4800);
insert into items values (115, 1, 1, "HHT", 1, 4500);
insert into items values (116, 1, 101, "FYC", 2, 1360);
insert into items values (116, 2, 109, "PRC", 3, 900);
insert into items values (116, 3, 110, "HFT", 1, 3080);
insert into items values (116, 4, 114, "PRC", 1, 1200);
insert into items values (117, 1, 201, "NKC", 4, 1520);
insert into items values (117, 2, 202, "HKC", 1, 2300);
insert into items values (117, 3, 301, "FYC", 2, 2040);
insert into items values (118, 1, 307, "PRC", 2, 5600);
insert into items values (118, 2, 302, "HKC", 3, 150);
insert into items values (118, 3, 110, "PRC", 1, 2360);
insert into items values (118, 4, 5, "HHT", 4, 1000);
insert into items values (118, 5, 304, "HSC", 1, 2800);

```

```

insert into employee values(
"000009","黃怡仁",'M',"1961/10/07",43,"台南市善化區茄拔里 100 之 3 號");
insert into employee values(
"000007","陳美美",'F',"1975/02/06",29,"高雄市前鎮區 200 號");
insert into employee values(
"000012","陳秀惠",'F',"1974/11/20",30,"台北市南京東路一段 218 號");
insert into employee values(
"000004","黃淑珍",'F',"1973/08/29",31,"台南市麻豆區中正路 59 號");
insert into employee values(
"000014","黃玉瑛",'F',"1972/12/10",32,"台南市善化區民權路 89 號");
insert into employee values(
"000010","王曉菁",'F',"1966/10/17",38,"高雄市中正四路 112 號");
insert into employee values(
"000019","王耿豪",'M',"1971/02/03",33,"北市大直街 102 號 3 樓");
insert into employee values(
"000002","陳美鳳",'F',"1971/05/28",33,"台南市白河區三明路 192 號");

```

```
insert into employee values(
"000015","王簡淑玲",'F',"1959/10/19",45,"台南市南化區中正路 9 號");
insert into employee values(
"000013","李英王",'M',"1970/07/26",34,"台南市仁德區勝利路 116 號");
insert into employee values(
"000020","鄭淑蘭",'F',"1969/09/18",35,"新北市中和區中山路 177 號");
insert into employee values(
"000017","李玉龍",'M',"1968/01/30",36,"台北市內湖區內湖路二段 5 號");
insert into employee values(
"000005","王五郎",'M',"1966/11/06",38,"南投縣北港村 3 號");
insert into employee values(
"000001","張大田",'M',"1972/06/23",32,"台南市中西區中正路 18 號之 2");
insert into employee values(
"000016","高陳淑敏",'F',"1964/06/16",40,"台北市華陰街 10 號");
insert into employee values(
"000006","張玉明",'M',"1964/07/25",40,"高雄市前鎮區 28 之 1 號");
insert into employee values(
"000003","李王育",'M',"1956/02/28",48,"台南市安南區府前路 90 巷 2 號");
insert into employee values(
"000008","李小隆",'M',"1961/09/09",43,"台北市士林區小北街 21 號");
insert into employee values(
"000011","張玉風",'M',"1957/04/19",47,"高雄市路竹區民權路 89 號");
insert into employee values(
"000018","廖元瑛",'M',"1973/03/30",31,"北市天母富貴一路 5 巷 8 號");
```

```
insert into score values ("812001","張大田",'M',80,90,60);
insert into score values ("812002","陳美鳳",'F',95,80,70);
insert into score values ("812005","李王育",'M',75,70,85);
insert into score values ("812004","黃淑珍",'F',90,74,70);
insert into score values ("812005","王五郎",'M',65,88,67);
insert into score values ("812006","張三明",'M',86,61,74);
insert into score values ("812012","陳美美",'F',84,78,94);
insert into score values ("812008","李小隆",'M',71,60,83);
insert into score values ("812009","黃怡仁",'M',92,65,73);
insert into score values ("812010","王曉菁",'F',88,69,69);
```

```
insert into memberA values(
"000009","黃怡仁",'M',"台南市善化區茄拔里 100 之 3 號");
```

```

insert into memberA values(
"000007","陳美美",'F',"高雄市前鎮區 200 號");
insert into memberA values(
"000012","陳秀惠",'F',"台北市南京東路一段 218 號");
insert into memberA values(
"000004","黃淑珍",'F',"台南市麻豆區中正路 59 號");
insert into memberA values(
"000014","黃玉瑛",'F',"台南市善化區民權路 89 號");
insert into memberA values(
"000010","王曉菁",'F',"高雄市中正四路 112 號");
insert into memberB values(
"000004","黃淑珍",'F',"台南市麻豆區中正路 59 號");
insert into memberB values(
"000014","黃玉瑛",'F',"台南市善化區民權路 89 號");
insert into memberB values(
"000010","王曉菁",'F',"高雄市中正四路 112 號");
insert into memberB values(
"000019","張耿豪",'M',"北市大直街 102 號 3 樓");
insert into memberB values(
"000002","陳美鳳",'F',"台南市中西區永福路一段 192 號");

```

```

CREATE TABLE books (
    num int AUTO_INCREMENT NOT NULL ,
    book_name char (30) NOT NULL ,
    type_name char (10) NOT NULL ,
    subtotal int NOT NULL ,
    PRIMARY KEY (num)
);

```

```

insert into books values (101, "易學 Word2012", "文書", 12300);
insert into books values (null, "日本旅遊指南", "旅遊", 53200);
insert into books values (null, "進階 AutoCAD", "繪圖", 48600);
insert into books values (null, "Java 語言", "程式", 79100);
insert into books values (null, "ASP.NET VB", "程式", 81000);
insert into books values (null, "Excel 函數字典", "文書", 62100);
insert into books values (null, "台灣單車之旅", "旅遊", 125000);
insert into books values (null, "PHP", "程式", 45000);
insert into books values (null, "PhotoShop", "影像", 12000);

```

```
insert into books values (null, "PhotoImpact", "影像", 8000);
insert into books values (null, "Java 程式設計", "程式", 21000);
insert into books values (null, "Word2016", "文書", 10500);
insert into books values (null, "南國旅遊指南", "旅遊", 60000);
insert into books values (null, "AotoCAD+SketchUp", "繪圖", 84000);
insert into books values (null, "Java 程式設計入門", "程式", 12000);
insert into books values (null, "ASP.NET C#", "程式", 24100);
insert into books values (null, "Excel 巨集", "文書", 68000);
insert into books values (null, "東台灣之旅", "旅遊", 22000);
insert into books values (null, "PHP+MySQL", "程式", 14800);
insert into books values (null, "PhotoShop 進階", "影像", 13580);
insert into books values (null, "Python", "程式", 58000);
insert into books values (null, "VB 2019", "程式", 53000);
```