---建立巨量課程資料庫---

CREATE DATABASE 巨量資料分析課程資料庫

ON(NAME = 巨量資料分析課程資料庫,

FILENAME= 'D:\SQL SYSTEM DATABASE\巨量資料分析課程資料庫.MDF')

---匯入CD2010---

DECLARE @i int

SET @i=201

WHILE @i<=225

BEGIN

DECLARE @sql varchar(4000)

SET @sql =

'CREATE TABLE 巨量資料分析課程資料庫.dbo.R'+convert(varchar(50),@i)+'CD2010([資料行 0] nvarchar(301))

BULK INSERT 巨量資料分析課程資料庫.dbo.R'+convert(varchar(50),@i)+'CD2010

FROM "D:\temp\ID與CD百萬人抽樣檔\R'+convert(varchar(50),@i)+'\_CD2010.DAT"

WITH (FIELDTERMINATOR = '+'''\t''' +',

ROWTERMINATOR = '+'''0x0a'''+') '

PRINT @sql

EXEC(@sql)

SET @i=@i+1

END

---CD2010變數命名---

DECLARE @i int

SET @i=201

WHILE @i<=225

BEGIN

DECLARE @CD varchar(4000)

SET @CD=

'SELECT

cast(SUBSTRING([資料行 0],1,6) AS nvarchar(15)) "FEE\_YM",

cast(SUBSTRING([資料行 0],7,1) AS nvarchar(15)) "APPL\_TYPE",

cast(SUBSTRING([資料行 0],8,34) AS nvarchar(50)) "HOSP\_ID",

cast(SUBSTRING([資料行 0],42,8) AS nvarchar(15)) "APPL\_DATE",

cast(SUBSTRING([資料行 0],50,2) AS nvarchar(15)) "CASE\_TYPE",

cast(SUBSTRING([資料行 0],52,6) AS int) "SEQ\_NO",

cast(SUBSTRING([資料行 0],58,2) AS nvarchar(15)) "CURE\_ITEM\_NO1",

cast(SUBSTRING([資料行 0],60,2) AS nvarchar(15)) "CURE\_ITEM\_NO2",

cast(SUBSTRING([資料行 0],62,2) AS nvarchar(15)) "CURE\_ITEM\_NO3",

cast(SUBSTRING([資料行 0],64,2) AS nvarchar(15)) "CURE\_ITEM\_NO4",

cast(SUBSTRING([資料行 0],66,2) AS nvarchar(15)) "FUNC\_TYPE",

cast(SUBSTRING([資料行 0],68,8) AS nvarchar(15)) "FUNC\_DATE",

cast(SUBSTRING([資料行 0],76,8) AS nvarchar(15)) "TREAT\_END\_DATE",

cast(SUBSTRING([資料行 0],84,8) AS nvarchar(15)) "ID\_BIRTHDAY",

cast(SUBSTRING([資料行 0],92,32) AS nvarchar(50)) "ID",

cast(SUBSTRING([資料行 0],124,4) AS nvarchar(15)) "CARD\_SEQ\_NO",

cast(SUBSTRING([資料行 0],128,1) AS nvarchar(15)) "GAVE\_KIND",

cast(SUBSTRING([資料行 0],129,3) AS nvarchar(15)) "PART\_NO",

cast(SUBSTRING([資料行 0],132,5) AS nvarchar(15)) "ACODE\_ICD9\_1",

cast(SUBSTRING([資料行 0],137,5) AS nvarchar(15)) "ACODE\_ICD9\_2",

cast(SUBSTRING([資料行 0],142,5) AS nvarchar(15)) "ACODE\_ICD9\_3",

cast(SUBSTRING([資料行 0],147,4) AS nvarchar(15)) "ICD\_OP\_CODE",

cast(SUBSTRING([資料行 0],151,2) AS int) "DRUG\_DAY",

cast(SUBSTRING([資料行 0],153,1) AS nvarchar(15)) "MED\_TYPE",

cast(SUBSTRING([資料行 0],154,32) AS nvarchar(50)) "PRSN\_ID",

cast(SUBSTRING([資料行 0],186,32) AS nvarchar(50)) "PHAR\_ID",

cast(SUBSTRING([資料行 0],218,8) AS int) "DRUG\_AMT",

cast(SUBSTRING([資料行 0],226,8) AS int) "TREAT\_AMT",

cast(SUBSTRING([資料行 0],234,12) AS nvarchar(15)) "TREAT\_CODE",

cast(SUBSTRING([資料行 0],246,8) AS int) "DIAG\_AMT",

cast(SUBSTRING([資料行 0],254,12) AS nvarchar(15)) "DSVC\_NO",

cast(SUBSTRING([資料行 0],266,8) AS int) "DSVC\_AMT",

cast(SUBSTRING([資料行 0],274,2) AS nvarchar(15)) "BY\_PASS\_CODE",

cast(SUBSTRING([資料行 0],276,8) AS int) "T\_AMT",

cast(SUBSTRING([資料行 0],284,8) AS int) "PART\_AMT",

cast(SUBSTRING([資料行 0],292,8) AS int) "T\_APPL\_AMT",

cast(SUBSTRING([資料行 0],300,1) AS nvarchar(15)) "ID\_SEX"

INTO 巨量資料分析課程資料庫.dbo.RR'+convert(varchar(50),@i)+'CD2010

FROM 巨量資料分析課程資料庫.dbo.R'+convert(varchar(50),@i)+'CD2010'

PRINT @CD

EXEC(@CD)

SET @i=@i+1

END

---RR201CD2010-RR225CD2010檔案合併---

declare @i int

set @i= 2010

while @i<=2010

begin

EXEC('

SELECT \*

INTO CD'+@i+'

FROM RR201CD'+@i+'

UNION ALL

SELECT \*

FROM RR202CD'+@i+'

UNION ALL

SELECT \*

FROM RR203CD'+@i+'

UNION ALL

SELECT \*

FROM RR204CD'+@i+'

UNION ALL

SELECT \*

FROM RR205CD'+@i+'

UNION ALL

SELECT \*

FROM RR206CD'+@i+'

UNION ALL

SELECT \*

FROM RR207CD'+@i+'

UNION ALL

SELECT \*

FROM RR208CD'+@i+'

UNION ALL

SELECT \*

FROM RR209CD'+@i+'

UNION ALL

SELECT \*

FROM RR210CD'+@i+'

UNION ALL

SELECT \*

FROM RR211CD'+@i+'

UNION ALL

SELECT \*

FROM RR212CD'+@i+'

UNION ALL

SELECT \*

FROM RR213CD'+@i+'

UNION ALL

SELECT \*

FROM RR214CD'+@i+'

UNION ALL

SELECT \*

FROM RR215CD'+@i+'

UNION ALL

SELECT \*

FROM RR216CD'+@i+'

UNION ALL

SELECT \*

FROM RR217CD'+@i+'

UNION ALL

SELECT \*

FROM RR218CD'+@i+'

UNION ALL

SELECT \*

FROM RR219CD'+@i+'

UNION ALL

SELECT \*

FROM RR220CD'+@i+'

UNION ALL

SELECT \*

FROM RR221CD'+@i+'

UNION ALL

SELECT \*

FROM RR222CD'+@i+'

UNION ALL

SELECT \*

FROM RR223CD'+@i+'

UNION ALL

SELECT \*

FROM RR224CD'+@i+'

UNION ALL

SELECT \*

FROM RR225CD'+@i+'

')

set @i=@i+1

end

---將多餘的資料表刪除---

---匯入ID2010---

DECLARE @i int

SET @i=201

WHILE @i<=225

BEGIN

DECLARE @sql varchar(4000)

SET @sql =

'CREATE TABLE 巨量資料分析課程資料庫.dbo.R'+convert(varchar(50),@i)+'ID2010([資料行 0] nvarchar(107))

BULK INSERT 巨量資料分析課程資料庫.dbo.R'+convert(varchar(50),@i)+'ID2010

FROM "D:\temp\ID與CD百萬人抽樣檔\R'+convert(varchar(50),@i)+'\_ID2010.DAT"

WITH (FIELDTERMINATOR = '+'''\t''' +',

ROWTERMINATOR = '+'''0x0a'''+') '

PRINT @sql

EXEC(@sql)

SET @i=@i+1

END

---ID2010變數命名---

DECLARE @i int

SET @i=201

WHILE @i<=225

BEGIN

DECLARE @ID varchar(8000)

SET @ID=

'SELECT

cast(SUBSTRING([資料行 0],1,32) AS nvarchar(50)) "ID",

cast(SUBSTRING([資料行 0],33,32) AS nvarchar(50)) "INS\_ID",

cast(SUBSTRING([資料行 0],65,1) AS nvarchar(15)) "INS\_ID\_TYPE",

cast(SUBSTRING([資料行 0],66,6) AS int) "INS\_AMT",

cast(SUBSTRING([資料行 0],72,8) AS nvarchar(15)) "ID\_BIRTHDAY",

cast(SUBSTRING([資料行 0],80,1) AS nvarchar(15)) "ID\_SEX",

cast(SUBSTRING([資料行 0],81,1) AS nvarchar(15)) "INS\_RELATION",

cast(SUBSTRING([資料行 0],82,3) AS nvarchar(15)) "UNIT\_INS\_TYPE",

cast(SUBSTRING([資料行 0],85,4) AS nvarchar(15)) "REG\_ZIP\_CODE",

cast(SUBSTRING([資料行 0],89,2) AS nvarchar(15)) "TX\_CODE",

cast(SUBSTRING([資料行 0],91,8) AS nvarchar(15)) "ID\_IN\_DATE",

cast(SUBSTRING([資料行 0],99,8) AS nvarchar(15)) "ID\_OUT\_DATE"

INTO 巨量資料分析課程資料庫.dbo.R'+convert(varchar(50),@i)+'ID2010\_cut

FROM 巨量資料分析課程資料庫.dbo.R'+convert(varchar(50),@i)+'ID2010'

PRINT @ID

EXEC(@ID)

SET @i=@i+1

END

---R201ID2010\_cut-R225ID2010\_cut檔案合併---

DECLARE @i int

SET @i=2010

WHILE @i<=2010

BEGIN

DECLARE @union varchar(5000)

SET @union=

'SELECT\*

INTO 巨量資料分析課程資料庫.dbo.ID'+convert(varchar(50),@i)+'

FROM 巨量資料分析課程資料庫.dbo.R201ID'+convert(varchar(50),@i)+'\_cut

UNION ALL

SELECT \*

FROM 巨量資料分析課程資料庫.dbo.R202ID'+convert(varchar(50),@i)+'\_cut

UNION ALL

SELECT \*

FROM 巨量資料分析課程資料庫.dbo.R203ID'+convert(varchar(50),@i)+'\_cut

UNION ALL

SELECT \*

FROM 巨量資料分析課程資料庫.dbo.R204ID'+convert(varchar(50),@i)+'\_cut

UNION ALL

SELECT \*

FROM 巨量資料分析課程資料庫.dbo.R205ID'+convert(varchar(50),@i)+'\_cut

UNION ALL

SELECT \*

FROM 巨量資料分析課程資料庫.dbo.R206ID'+convert(varchar(50),@i)+'\_cut

UNION ALL

SELECT \*

FROM 巨量資料分析課程資料庫.dbo.R207ID'+convert(varchar(50),@i)+'\_cut

UNION ALL

SELECT \*

FROM 巨量資料分析課程資料庫.dbo.R208ID'+convert(varchar(50),@i)+'\_cut

UNION ALL

SELECT \*

FROM 巨量資料分析課程資料庫.dbo.R209ID'+convert(varchar(50),@i)+'\_cut

UNION ALL

SELECT \*

FROM 巨量資料分析課程資料庫.dbo.R210ID'+convert(varchar(50),@i)+'\_cut

UNION ALL

SELECT \*

FROM 巨量資料分析課程資料庫.dbo.R211ID'+convert(varchar(50),@i)+'\_cut

UNION ALL

SELECT \*

FROM 巨量資料分析課程資料庫.dbo.R212ID'+convert(varchar(50),@i)+'\_cut

UNION ALL

SELECT \*

FROM 巨量資料分析課程資料庫.dbo.R213ID'+convert(varchar(50),@i)+'\_cut

UNION ALL

SELECT \*

FROM 巨量資料分析課程資料庫.dbo.R214ID'+convert(varchar(50),@i)+'\_cut

UNION ALL

SELECT \*

FROM 巨量資料分析課程資料庫.dbo.R215ID'+convert(varchar(50),@i)+'\_cut

UNION ALL

SELECT \*

FROM 巨量資料分析課程資料庫.dbo.R216ID'+convert(varchar(50),@i)+'\_cut

UNION ALL

SELECT \*

FROM 巨量資料分析課程資料庫.dbo.R217ID'+convert(varchar(50),@i)+'\_cut

UNION ALL

SELECT \*

FROM 巨量資料分析課程資料庫.dbo.R218ID'+convert(varchar(50),@i)+'\_cut

UNION ALL

SELECT \*

FROM 巨量資料分析課程資料庫.dbo.R219ID'+convert(varchar(50),@i)+'\_cut

UNION ALL

SELECT \*

FROM 巨量資料分析課程資料庫.dbo.R220ID'+convert(varchar(50),@i)+'\_cut

UNION ALL

SELECT \*

FROM 巨量資料分析課程資料庫.dbo.R221ID'+convert(varchar(50),@i)+'\_cut

UNION ALL

SELECT \*

FROM 巨量資料分析課程資料庫.dbo.R222ID'+convert(varchar(50),@i)+'\_cut

UNION ALL

SELECT \*

FROM 巨量資料分析課程資料庫.dbo.R223ID'+convert(varchar(50),@i)+'\_cut

UNION ALL

SELECT \*

FROM 巨量資料分析課程資料庫.dbo.R224ID'+convert(varchar(50),@i)+'\_cut

UNION ALL

SELECT \*

FROM 巨量資料分析課程資料庫.dbo.R225ID'+convert(varchar(50),@i)+'\_cut'

PRINT @union

EXEC (@union)

SET @i=@i+1

END

---將多餘的資料表刪除---

---匯入HOSB2010---

CREATE TABLE RHOSB2010([資料行 0] nvarchar(258))

BULK INSERT RHOSB2010

FROM "D:\temp\ID與CD百萬人抽樣檔\HOSB2010.DAT"

WITH (FIELDTERMINATOR = '\t',

ROWTERMINATOR = '0x0a')

---HOSB2010重新命名---

declare @TableName varchar(128)

declare @i int

set @i=2010

while @i<=2010

begin

set @tablename = 'RHOSB'+convert(varchar(50),@i)

declare @sql varchar(4000)

select @sql = 'SELECT

cast(SUBSTRING([資料行 0],1,34) AS nvarchar(50)) "HOSP\_ID",

cast(SUBSTRING([資料行 0],35,1) AS nvarchar(15)) "HOSP\_CONT\_TYPE",

cast(SUBSTRING([資料行 0],36,8) AS nvarchar(15)) "CNT\_S\_DATE",

cast(SUBSTRING([資料行 0],44,8) AS nvarchar(15)) "CNT\_E\_DATE",

cast(SUBSTRING([資料行 0],52,2) AS nvarchar(15)) "HOSP\_TYPE\_ID",

cast(SUBSTRING([資料行 0],54,8) AS nvarchar(15)) "TYPE\_S\_DATE",

cast(SUBSTRING([資料行 0],62,8) AS nvarchar(15)) "TYPE\_E\_DATE",

cast(SUBSTRING([資料行 0],70,1) AS nvarchar(15)) "HOSP\_EDUC\_MARK",

cast(SUBSTRING([資料行 0],71,8) AS nvarchar(15)) "EDUC\_S\_DATE",

cast(SUBSTRING([資料行 0],79,8) AS nvarchar(15)) "EDUC\_E\_DATE",

cast(SUBSTRING([資料行 0],87,2) AS nvarchar(15)) "HOSP\_GRAD\_ID",

cast(SUBSTRING([資料行 0],89,8) AS nvarchar(15)) "GRAD\_S\_DATE",

cast(SUBSTRING([資料行 0],97,8) AS nvarchar(15)) "GRAD\_E\_DATE",

cast(SUBSTRING([資料行 0],105,2) AS nvarchar(15)) "HOSP\_OLD\_GRAD",

cast(SUBSTRING([資料行 0],107,8) AS nvarchar(15)) "OLDGRAD\_S\_DATE",

cast(SUBSTRING([資料行 0],115,4) AS nvarchar(15)) "AREA\_NO\_H",

cast(SUBSTRING([資料行 0],119,32) AS nvarchar(50)) "HOSP\_OWN\_ID",

cast(SUBSTRING([資料行 0],151,8) AS nvarchar(15)) "HOSP\_OPEN\_DATE",

cast(SUBSTRING([資料行 0],159,1) AS nvarchar(15)) "REVIEW\_CODE",

cast(SUBSTRING([資料行 0],160,8) AS nvarchar(15)) "CONT\_S\_DATE",

cast(SUBSTRING([資料行 0],168,8) AS nvarchar(15)) "CONT\_E\_DATE",

cast(SUBSTRING([資料行 0],176,8) AS nvarchar(15)) "CCNT\_S\_DATE",

cast(SUBSTRING([資料行 0],184,8) AS nvarchar(15)) "CCNT\_E\_DATE",

cast(SUBSTRING([資料行 0],192,8) AS nvarchar(15)) "STOP\_S\_DATE",

cast(SUBSTRING([資料行 0],200,8) AS nvarchar(15)) "STOP\_E\_DATE",

cast(SUBSTRING([資料行 0],208,8) AS nvarchar(15)) "REST\_S\_DATE",

cast(SUBSTRING([資料行 0],216,8) AS nvarchar(15)) "REST\_E\_DATE",

cast(SUBSTRING([資料行 0],224,34) AS nvarchar(50)) "OLD\_HOSP\_ID"

INTO 巨量資料分析課程資料庫.dbo.HOSB'+convert(varchar(50),@i)+'

FROM '+@TableName

exec (@sql)

set @i=@i+1

end

---匯入PER2010---

CREATE TABLE PERtemp2010([資料行0] nvarchar(136))

BULK INSERT PERtemp2010

FROM "D:\temp\ID與CD百萬人抽樣檔\PER2010.DAT"

WITH (FIELDTERMINATOR = '\t',

ROWTERMINATOR = '0x0a')

---PER2010重新命名---

DECLARE @i INT

SET @i=2010

WHILE @i<=2010

BEGIN

DECLARE @CD varchar(4000)

SET @CD=

'

SELECT

cast(SUBSTRING([資料行0],1,32) AS nvarchar(50)) "PRSN\_ID",

cast(SUBSTRING([資料行0],33,8) AS nvarchar(15)) "BIRTHDAY",

cast(SUBSTRING([資料行0],41,4) AS nvarchar(50)) "PRSN\_SEX",

cast(SUBSTRING([資料行0],45,1) AS nvarchar(15)) "WORK\_STATU",

cast(SUBSTRING([資料行0],46,8) AS nvarchar(15)) "LINC\_DATE",

cast(SUBSTRING([資料行0],54,34) AS nvarchar(50)) "WORK\_PLACE",

cast(SUBSTRING([資料行0],88,1) AS nvarchar(15)) "PRSN\_TYPE",

cast(SUBSTRING([資料行0],89,8) AS nvarchar(15)) "STOP\_S\_YM",

cast(SUBSTRING([資料行0],97,8) AS nvarchar(15)) "STOP\_E\_YM",

cast(SUBSTRING([資料行0],105,8) AS nvarchar(15)) "AGAIN\_S\_YM",

cast(SUBSTRING([資料行0],113,1) AS nvarchar(15)) "BRANCH\_CODE",

cast(SUBSTRING([資料行0],114,8) AS nvarchar(15)) "VALID\_S\_DATE",

cast(SUBSTRING([資料行0],122,8) AS nvarchar(15)) "VALID\_E\_DATE",

cast(SUBSTRING([資料行0],130,6) AS nvarchar(15)) "PRSN\_CNT"

INTO PER'+convert(varchar(50),@i)+'

FROM PERtemp'+convert(varchar(50),@i)

PRINT @CD

EXEC(@CD)

SET @i=@i+1

END

---刪除多餘的資料表---

---新增年齡欄位於CD2010 ID2010 PER2010---

ALTER TABLE CD2010

ADD 出生年份 nvarchar(15)

ALTER TABLE ID2010

ADD 出生年份 nvarchar(15)

ALTER TABLE PER2010

ADD 出生年份 nvarchar(15)

UPDATE CD2010

SET 出生年份 = SUBSTRING(ID\_BIRTHDAY,1,4)

UPDATE ID2010

SET 出生年份 = SUBSTRING(ID\_BIRTHDAY,1,4)

UPDATE PER2010

SET 出生年份 = SUBSTRING(BIRTHDAY,1,4)

ALTER TABLE CD2010

ALTER COLUMN 出生年份 int

ALTER TABLE ID2010

ALTER COLUMN 出生年份 int

ALTER TABLE PER2010

ALTER COLUMN 出生年份 int

ALTER TABLE CD2010

ADD AGE nvarchar(15)

ALTER TABLE ID2010

ADD AGE nvarchar(15)

ALTER TABLE PER2010

ADD AGE nvarchar(15)

UPDATE CD2010

SET AGE = 2010-出生年份

UPDATE ID2010

SET AGE = 2010-出生年份

UPDATE PER2010

SET AGE = 2010-出生年份

ALTER TABLE CD2010

DROP COLUMN 出生年份

ALTER TABLE ID2010

DROP COLUMN 出生年份

ALTER TABLE PER2010

DROP COLUMN 出生年份

---新增五齡組於ID2010 CD2010 PER2010---

DECLARE @j int

SET @j = 2010

WHILE @j <= 2010

BEGIN

--#region ClassificationALL (CFA)

Declare @CFA\_tablename varchar(max)

Declare @CFA\_begin varchar(max)

Declare @CFA\_end varchar(max)

Declare @CFA\_newtable varchar(max)

Declare @CFA\_ageindex varchar(max)

Declare @CFA\_choosecolumn varchar(max)

set @CFA\_tablename = 'PER'+CONVERT(VARCHAR(10),@j)+'' /\*欲選取的資料表\*/

set @CFA\_begin = '0 1 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85' /\*欲選取的年齡起始點\*/

set @CFA\_end = '0 4 9 14 19 24 29 34 39 44 49 54 59 64 69 74 79 84 999' /\*欲選取的年齡結束點\*/

set @CFA\_newtable = 'PERTEMP'+CONVERT(VARCHAR(10),@j)+'' /\*新表名稱\*/

set @CFA\_ageindex = 'GROUP\_AGE' /\*欲新增的欄位名稱(將年齡分組)\*/

set @CFA\_choosecolumn = 'AGE' /\*若要抓年齡就改成age，若要抓合計金額改成'T\_AMT'\*/

--#region

declare @begin int

declare @end int

declare @n int

declare @i int

exec('select top 0 \* into '+@CFA\_newtable+' from '+@CFA\_tablename)

set @n = dbo.array\_n(@CFA\_begin)

set @i = 1

while @i <= @n

begin

set @begin = dbo.array(@CFA\_begin,@i)

set @end = dbo.array(@CFA\_end,@i)

exec('SELECT \* into '+@CFA\_newtable+@i+'

from '+@CFA\_tablename+'

where '+@CFA\_choosecolumn+' between '+@begin+'

and '+

@end)

SET @i=@i+1

end

set @n = dbo.array\_n(@CFA\_begin)

set @i = 1

while @i <= @n

begin

exec('insert into '+@CFA\_newtable+' select \* from '+@CFA\_newtable+@i)

EXEC('DROP TABLE '+@CFA\_newtable+@i)

set @i=@i+1

end

exec('alter table '+@CFA\_newtable+'

add '+@CFA\_ageindex+' int')

set @n = dbo.array\_n(@CFA\_begin)

set @i = 1

while @i <= @n

begin

set @begin = dbo.array(@CFA\_begin,@i)

set @end = dbo.array(@CFA\_end,@i)

exec('update '+@CFA\_newtable+'

set '+@CFA\_ageindex+' = '+@i+'

where '+@CFA\_choosecolumn+' between '+@begin+' and '+@end)

set @i=@i+1

end

--#endregion

--#endregion

SET @j = @j + 1

END

---更改CDTEMP1010 IDTEMP2010 PERTEMP2010名稱回原本名稱---

EXEC SP\_RENAME 'CDTEMP2010', 'CD2010'

EXEC SP\_RENAME 'IDTEMP2010', 'ID2010'

EXEC SP\_RENAME 'PERTEMP2010', 'PER2010'

---於CD2010擷取ACODE\_ICD9\_1、ACODE\_ICD9\_2、ACODE\_ICD9\_3前三碼---

ALTER TABLE CD2010

ADD ICD9\_1 NVARCHAR(15)

ALTER TABLE CD2010

ADD ICD9\_2 NVARCHAR(15)

ALTER TABLE CD2010

ADD ICD9\_3 NVARCHAR(15)

UPDATE CD2010

SET ICD9\_1 = SUBSTRING(ACODE\_ICD9\_1,1,3)

UPDATE CD2010

SET ICD9\_2 = SUBSTRING(ACODE\_ICD9\_2,1,3)

UPDATE CD2010

SET ICD9\_3 = SUBSTRING(ACODE\_ICD9\_3,1,3)

---更新ID2010郵遞區號，並且依照對應之郵遞區號新增縣市欄位---

UPDATE ID2010

SET REG\_ZIP\_CODE = '103'

WHERE REG\_ZIP\_CODE = '101'

UPDATE ID2010

SET REG\_ZIP\_CODE = '103'

WHERE REG\_ZIP\_CODE = '102'

UPDATE ID2010

SET REG\_ZIP\_CODE = '100'

WHERE REG\_ZIP\_CODE = '107'

UPDATE ID2010

SET REG\_ZIP\_CODE = '108'

WHERE REG\_ZIP\_CODE = '109'

UPDATE ID2010

SET REG\_ZIP\_CODE = '108'

WHERE REG\_ZIP\_CODE = '109'

UPDATE ID2010

SET REG\_ZIP\_CODE = '300'

WHERE REG\_ZIP\_CODE = '309'

UPDATE ID2010

SET REG\_ZIP\_CODE = '320'

WHERE REG\_ZIP\_CODE = '322'

UPDATE ID2010

SET REG\_ZIP\_CODE = '337'

WHERE REG\_ZIP\_CODE = '339'

UPDATE ID2010

SET REG\_ZIP\_CODE = '413'

WHERE REG\_ZIP\_CODE = '431'

ALTER TABLE ID2010

ADD 縣市 NVARCHAR(15)

UPDATE ID2010

SET 縣市 = '臺北市'

WHERE REG\_ZIP\_CODE BETWEEN 100 AND 116

UPDATE ID2010

SET 縣市 = '基隆市'

WHERE REG\_ZIP\_CODE BETWEEN 200 AND 206

UPDATE ID2010

SET 縣市 = '連江縣'

WHERE REG\_ZIP\_CODE BETWEEN 209 AND 212

UPDATE ID2010

SET 縣市 = '新北市'

WHERE REG\_ZIP\_CODE BETWEEN 207 AND 208

OR REG\_ZIP\_CODE BETWEEN 220 AND 253

UPDATE ID2010

SET 縣市 = '宜蘭縣'

WHERE REG\_ZIP\_CODE BETWEEN 260 AND 290

UPDATE ID2010

SET 縣市 = '新竹市'

WHERE REG\_ZIP\_CODE = 300

UPDATE ID2010

SET 縣市 = '新竹縣'

WHERE REG\_ZIP\_CODE BETWEEN 302 AND 315

UPDATE ID2010

SET 縣市 = '桃園市'

WHERE REG\_ZIP\_CODE BETWEEN 320 AND 338

UPDATE ID2010

SET 縣市 = '苗栗縣'

WHERE REG\_ZIP\_CODE BETWEEN 350 AND 369

UPDATE ID2010

SET 縣市 = '臺中市'

WHERE REG\_ZIP\_CODE BETWEEN 400 AND 439

UPDATE ID2010

SET 縣市 = '彰化縣'

WHERE REG\_ZIP\_CODE BETWEEN 500 AND 530

UPDATE ID2010

SET 縣市 = '南投縣'

WHERE REG\_ZIP\_CODE BETWEEN 540 AND 558

UPDATE ID2010

SET 縣市 = '嘉義市'

WHERE REG\_ZIP\_CODE = 600

UPDATE ID2010

SET 縣市 = '嘉義縣'

WHERE REG\_ZIP\_CODE BETWEEN 602 AND 625

UPDATE ID2010

SET 縣市 = '台南市'

WHERE REG\_ZIP\_CODE BETWEEN 700 AND 745

UPDATE ID2010

SET 縣市 = '高雄市'

WHERE REG\_ZIP\_CODE BETWEEN 800 AND 852

UPDATE ID2010

SET 縣市 = '澎湖縣'

WHERE REG\_ZIP\_CODE BETWEEN 880 AND 885

UPDATE ID2010

SET 縣市 = '金門縣'

WHERE REG\_ZIP\_CODE BETWEEN 890 AND 896

UPDATE ID2010

SET 縣市 = '屏東縣'

WHERE REG\_ZIP\_CODE BETWEEN 900 AND 947

UPDATE ID2010

SET 縣市 = '臺東縣'

WHERE REG\_ZIP\_CODE BETWEEN 950 AND 966

UPDATE ID2010

SET 縣市 = '花蓮縣'

WHERE REG\_ZIP\_CODE BETWEEN 970 AND 983

UPDATE ID2010

SET 縣市 = 'U'

WHERE REG\_ZIP\_CODE = 0000

---新增慢性處方箋註記欄位---

ALTER TABLE CD2010

ADD 慢性處方箋註記 NVARCHAR(5)

UPDATE CD2010

SET 慢性處方箋註記 = '1'

WHERE (CASE\_TYPE = '04' OR CASE\_TYPE = '06')

AND (TREAT\_CODE = '00155A' OR TREAT\_CODE = '00157A' OR TREAT\_CODE = '00170A' OR TREAT\_CODE = '00131B' OR TREAT\_CODE = '00132B'

OR TREAT\_CODE = '00172B' OR TREAT\_CODE = '00173B' OR TREAT\_CODE = '00135B' OR TREAT\_CODE = '00136B' OR TREAT\_CODE = '00174B'

OR TREAT\_CODE = '00175B' OR TREAT\_CODE = '00137B' OR TREAT\_CODE = '00138B' OR TREAT\_CODE = '00176B' OR TREAT\_CODE = '00177B'

OR TREAT\_CODE = '00139C' OR TREAT\_CODE = '00140C' OR TREAT\_CODE = '00158C' OR TREAT\_CODE = '00159C' OR TREAT\_CODE = '00141C'

OR TREAT\_CODE = '00142C' OR TREAT\_CODE = '00160C' OR TREAT\_CODE = '00161C' OR TREAT\_CODE = '00143C' OR TREAT\_CODE = '00144C'

OR TREAT\_CODE = '00162C' OR TREAT\_CODE = '00163C' OR TREAT\_CODE = '00145C' OR TREAT\_CODE = '00146C' OR TREAT\_CODE = '00164C'

OR TREAT\_CODE = '00165C' OR TREAT\_CODE = '00147C' OR TREAT\_CODE = '00148C' OR TREAT\_CODE = '00166C' OR TREAT\_CODE = '00167C'

OR TREAT\_CODE = '00149C' OR TREAT\_CODE = '00150C' OR TREAT\_CODE = '00168C' OR TREAT\_CODE = '00169C' OR TREAT\_CODE = '00178B'

OR TREAT\_CODE = '00179B' OR TREAT\_CODE = '00180B' OR TREAT\_CODE = '00181B' OR TREAT\_CODE = '00182C' OR TREAT\_CODE = '00183C'

OR TREAT\_CODE = '00184C' OR TREAT\_CODE = '00185C' OR TREAT\_CODE = '00187C' OR TREAT\_CODE = '00189C' OR TREAT\_CODE = '00190C'

OR TREAT\_CODE = '00191C' OR TREAT\_CODE = '00171A')

UPDATE CD2010

SET 慢性處方箋註記 = '0'

WHERE 慢性處方箋註記 IS NULL

--1.新增判別欄位--

ALTER TABLE HOSB2010

ADD ARE3 NVARCHAR(5)

--2.填入地區代碼前兩位--

UPDATE HOSB2010

SET ARE3 = SUBSTRING (AREA\_NO\_H,1,2)

--3.新增地區欄位--

ALTER TABLE HOSB2010

ADD 縣市 NVARCHAR(5)

--4.填入縣市--

UPDATE HOSB2010

SET 縣市 = '台北市'

where ARE3 = '01'

UPDATE HOSB2010

SET 縣市 = '基隆市'

where ARE3 = '11'

UPDATE HOSB2010

SET 縣市 = '新竹市'

where ARE3 = '12'

UPDATE HOSB2010

SET 縣市 = '新北市'

where ARE3 = '31'

UPDATE HOSB2010

SET 縣市 = '桃園縣'

where ARE3 = '32'

UPDATE HOSB2010

SET 縣市 = '新竹縣'

where ARE3 = '33'

UPDATE HOSB2010

SET 縣市 = '宜蘭縣'

where ARE3 = '34'

UPDATE HOSB2010

SET 縣市 = '苗栗縣'

where ARE3 = '35'

UPDATE HOSB2010

SET 縣市 = '台中市'

where ARE3 = '36' or ARE3 = '03' or ARE3 = '17'

UPDATE HOSB2010

SET 縣市 = '彰化縣'

where ARE3 = '37'

UPDATE HOSB2010

SET 縣市 = '南投縣'

where ARE3 = '38'

UPDATE HOSB2010

SET 縣市 = '台南市'

where ARE3 = '05' or ARE3 = '41' or ARE3 = '21'

UPDATE HOSB2010

SET 縣市 = '嘉義市'

where ARE3 = '22'

UPDATE HOSB2010

SET 縣市 = '雲林縣'

where ARE3 = '39'

UPDATE HOSB2010

SET 縣市 = '嘉義縣'

where ARE3 = '40'

UPDATE HOSB2010

SET 縣市 = '高雄市'

where ARE3 = '07' or ARE3 = '42' or ARE3 = '02'

UPDATE HOSB2010

SET 縣市 = '屏東縣'

where ARE3 = '43'

UPDATE HOSB2010

SET 縣市 = '澎湖縣'

where ARE3 = '44'

UPDATE HOSB2010

SET 縣市 = '花蓮縣'

where ARE3 = '45'

UPDATE HOSB2010

SET 縣市 = '台東縣'

where ARE3 = '46'

UPDATE HOSB2010

SET 縣市 = '金門縣'

where ARE3 = '90'

UPDATE HOSB2010

SET 縣市 = '連江縣'

where ARE3 = '91'

--新增縣市欄位至CD2010--

SELECT CD2010.\*, HOSB2010.縣市

INTO CD2010\_1

FROM CD2010 LEFT JOIN HOSB2010

ON CD2010.HOSP\_ID = HOSB2010.HOSP\_ID

EXEC SP\_RENAME 'CD2010\_1', 'CD2010'

--新增權屬別欄位--

ALTER TABLE HOSB2010

ADD 權屬別 nvarchar(5)

UPDATE HOSB2010

SET 權屬別 = SUBSTRING(REVERSE(HOSP\_ID),33,2)