# Introduction to Database Management – Assignment #3 – City Jail

**Traditional//List all criminals along with the crime charges filed**

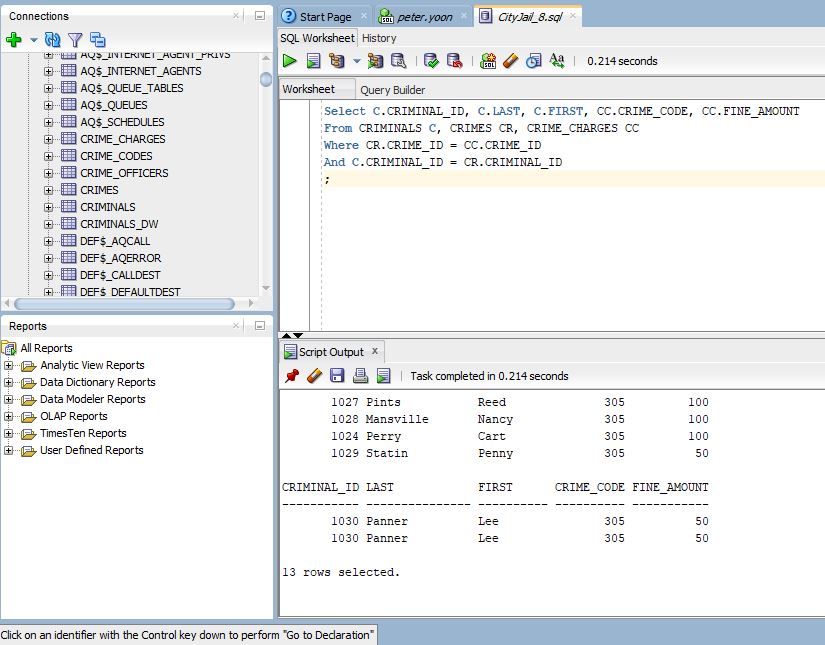
Select C.CRIMINAL\_ID, C.LAST, C.FIRST, CC.CRIME\_CODE, CC.FINE\_AMOUNT

From CRIMINALS C, CRIMES CR, CRIME\_CHARGES CC

Where CR.CRIME\_ID = CC.CRIME\_ID

And C.CRIMINAL\_ID = CR.CRIMINAL\_ID

;



**ANSI JOIN//List all criminals along with the crime charges filed**

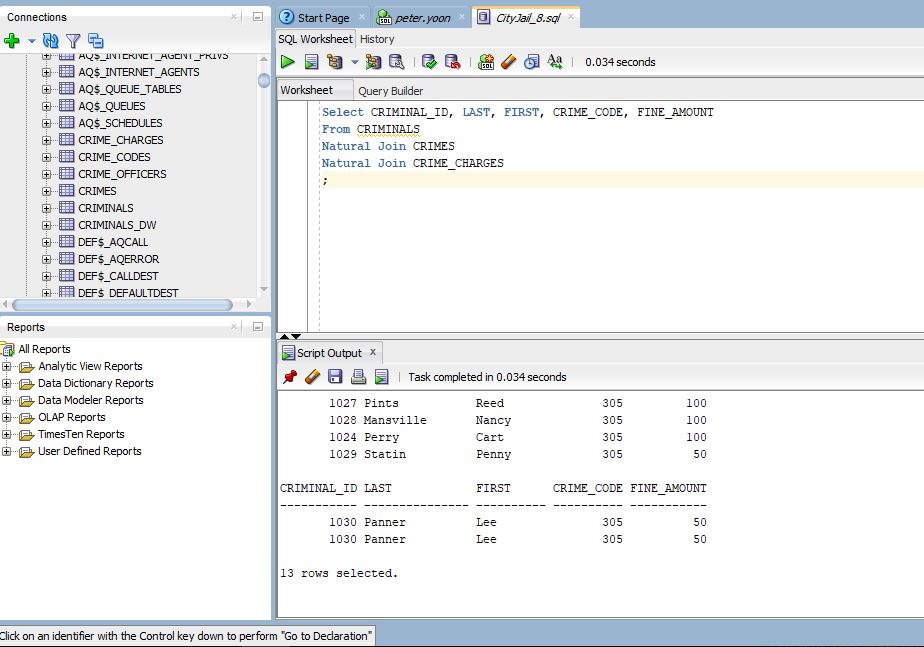
Select CRIMINAL\_ID, LAST, FIRST, CRIME\_CODE, FINE\_AMOUNT

From CRIMINALS

Natural Join CRIMES

Natural Join CRIME\_CHARGES

;



**Traditional//List all criminals along with crime status and appeal status**

Select C.CRIMINAL\_ID, C.LAST, C.FIRST, CR.CLASSIFICATION, CR.DATE\_CHARGED, CR.CRIME\_ID, A.FILING\_DATE, A.STATUS

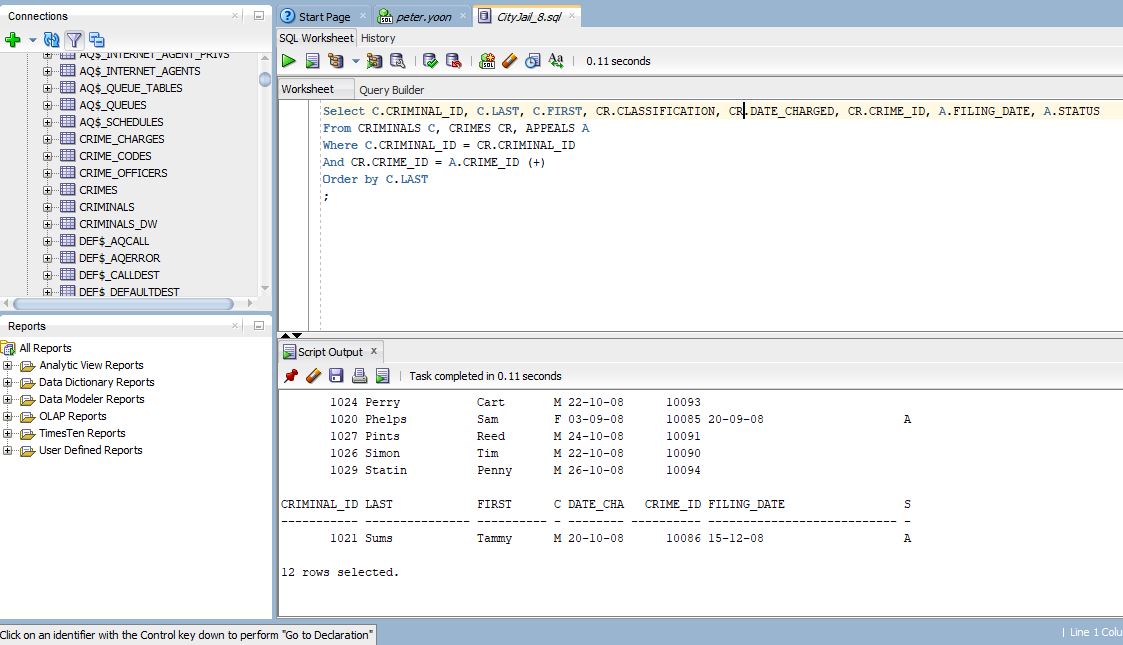
From CRIMINALS C, CRIMES CR, APPEALS A

Where C.CRIMINAL\_ID = CR.CRIMINAL\_ID

And CR.CRIME\_ID = A.CRIME\_ID (+)

Order by C.LAST

;



**ANSI JOIN//List all criminals along with crime status and appeal status**

Select CRIMINAL\_ID, LAST, FIRST, CLASSIFICATION, DATE\_CHARGED, CRIME\_ID, FILING\_DATE, A.STATUS

From CRIMINALS

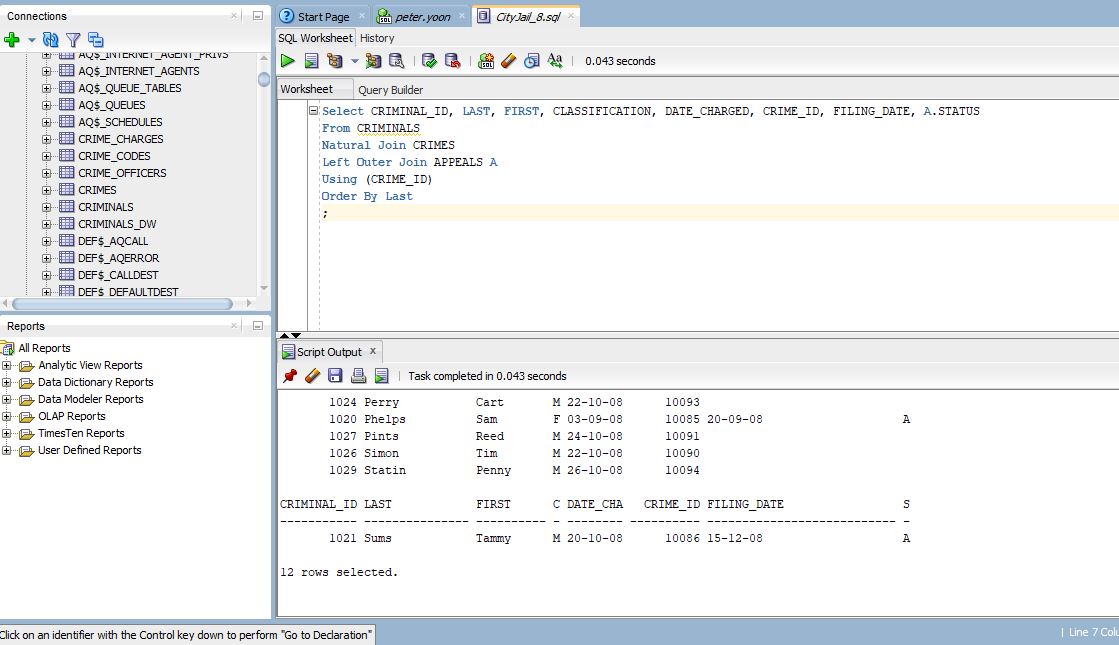
Natural Join CRIMES

Left Outer Join APPEALS A

Using (CRIME\_ID)

Order By Last

;



**Traditional//List all criminals along with crime information**

Select C.CRIMINAL\_ID, C.LAST, C.FIRST, CR.CLASSIFICATION, CR.DATE\_CHARGED, CC.CRIME\_CODE, CC.FINE\_AMOUNT

From CRIMINALS C, CRIMES CR, CRIME\_CHARGES CC

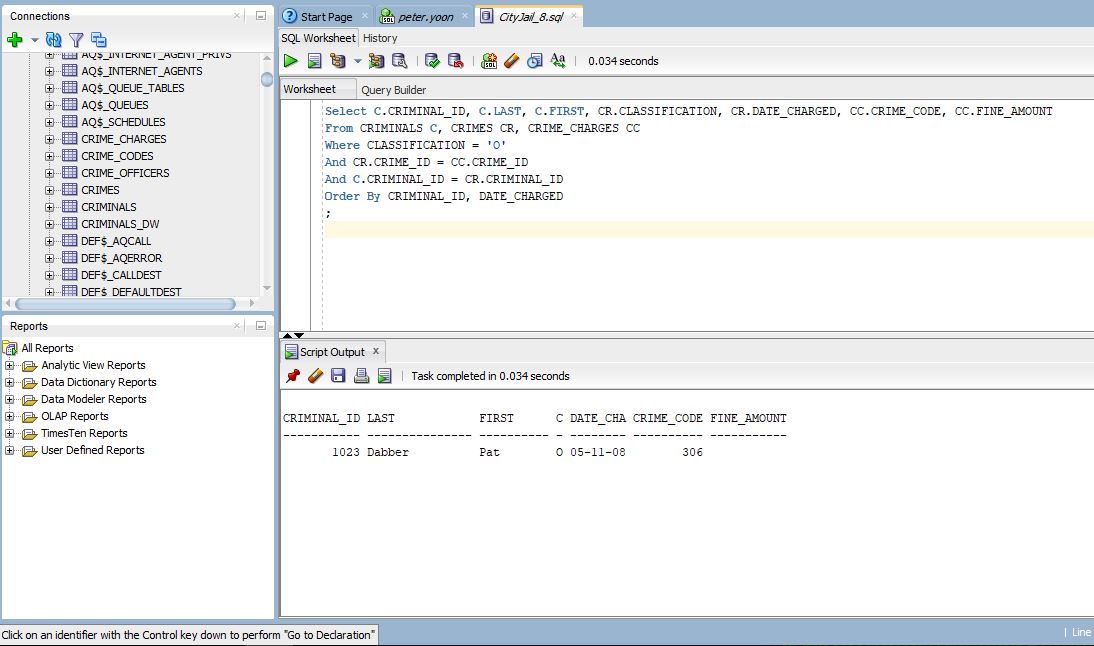
Where CLASSIFICATION = 'O'

And CR.CRIME\_ID = CC.CRIME\_ID

And C.CRIMINAL\_ID = CR.CRIMINAL\_ID

Order By CRIMINAL\_ID, DATE\_CHARGED

;



**ANSI JOIN//List all criminals along with crime information**

Select CRIMINAL\_ID, LAST, FIRST, CLASSIFICATION, DATE\_CHARGED, CRIME\_CODE, FINE\_AMOUNT

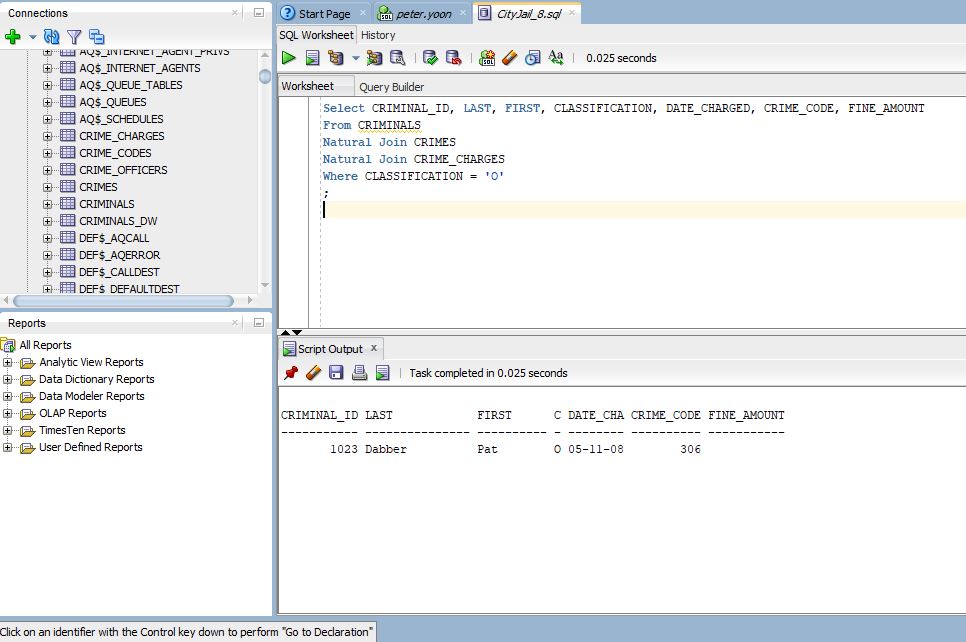
From CRIMINALS

Natural Join CRIMES

Natural Join CRIME\_CHARGES

Where CLASSIFICATION = 'O'

;



**Traditional//Create an alphabetical list of all criminals**

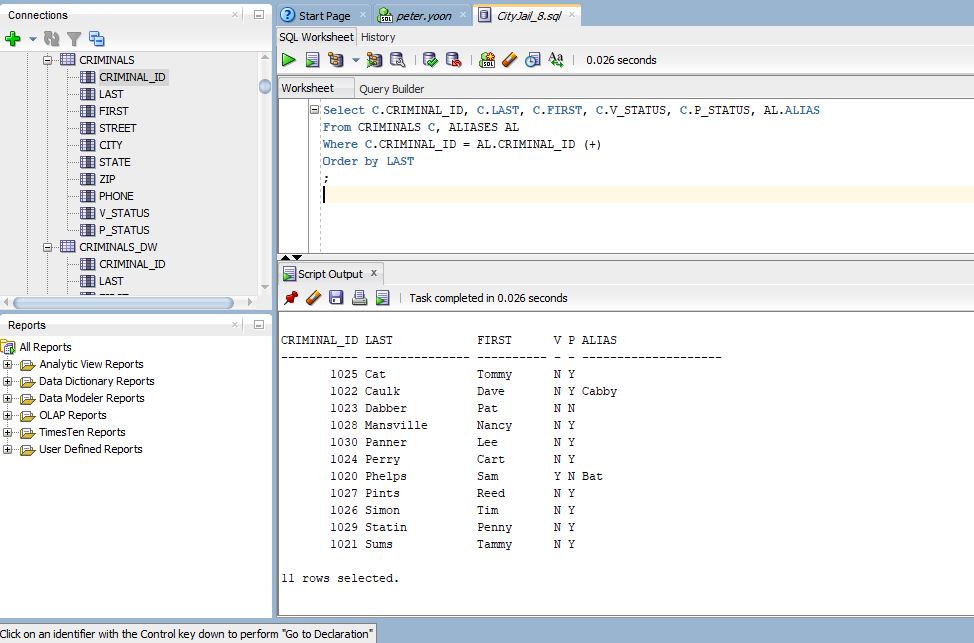
Select C.CRIMINAL\_ID, C.LAST, C.FIRST, C.V\_STATUS, C.P\_STATUS, AL.ALIAS

From CRIMINALS C, ALIASES AL

Where C.CRIMINAL\_ID = AL.CRIMINAL\_ID (+)

Order by LAST

;



**ANSI JOIN// Create an alphabetical list of all criminals**

Select CRIMINAL\_ID, LAST, FIRST, V\_STATUS, P\_STATUS, ALIAS

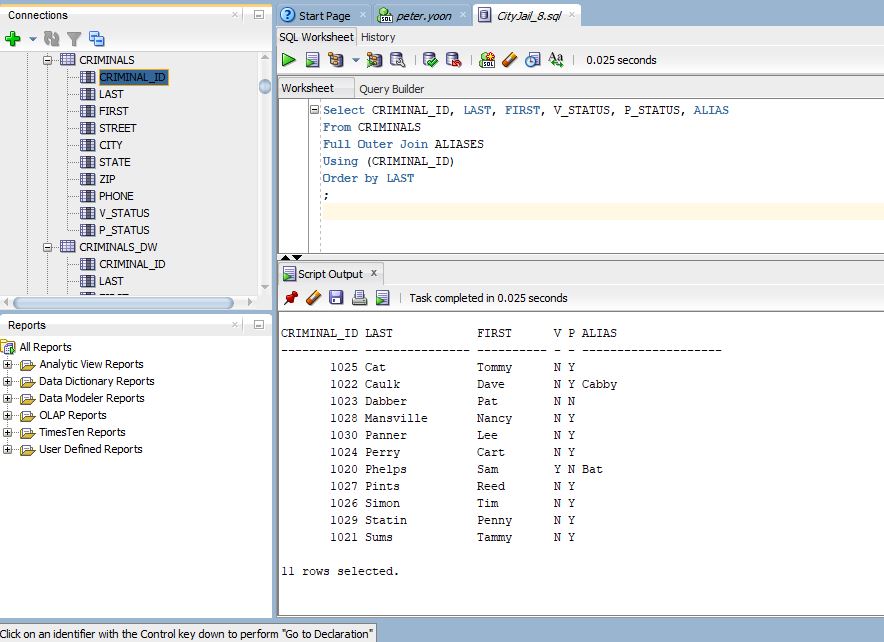
From CRIMINALS

Full Outer Join ALIASES

Using (CRIMINAL\_ID)

Order by LAST

;



**Traditional//Create a list containing the name of each criminal who has been assigned a probation period**

SELECT C.LAST, C.FIRST, S.START\_DATE, S.END\_DATE, PR.CON\_FREQ

FROM CRIMINALS C, PROB\_CONTACT PR, SENTENCES S

WHERE C.CRIMINAL\_ID = C.CRIMINAL\_ID

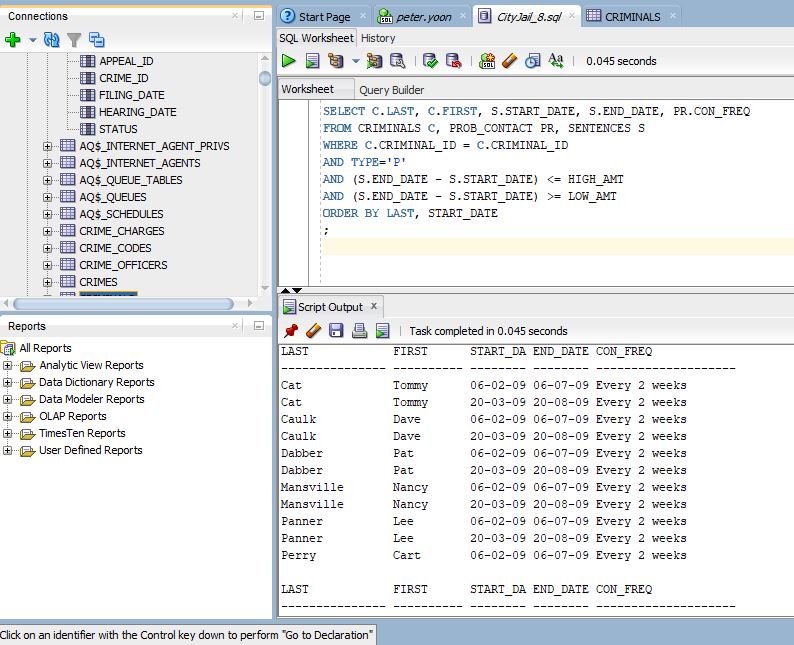
AND TYPE='P'

AND (S.END\_DATE - S.START\_DATE) <= HIGH\_AMT

AND (S.END\_DATE - S.START\_DATE) >= LOW\_AMT

ORDER BY LAST, START\_DATE

;



**ANSI JOIN//Create a list containing the name of each criminal who has been assigned a probation period**

Select LAST, FIRST, START\_DATE, END\_DATE, CON\_FREQ

From CRIMINALS

Join SENTENCES S

On S.TYPE = 'P'

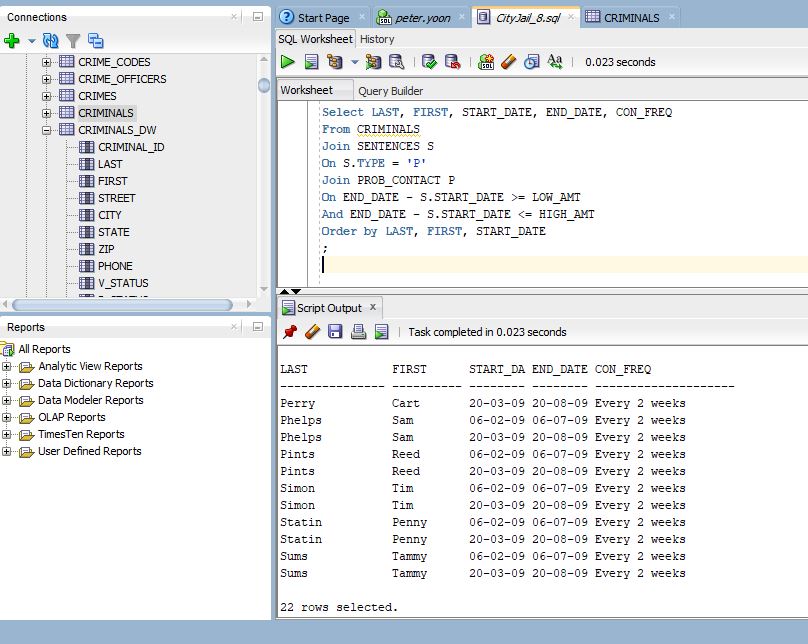
Join PROB\_CONTACT P

On END\_DATE - S.START\_DATE >= LOW\_AMT

And END\_DATE - S.START\_DATE <= HIGH\_AMT

Order by LAST, FIRST, START\_DATE

;



**Traditional//Produce a list showing each probation officer’s name and his or her supervisor’s name**

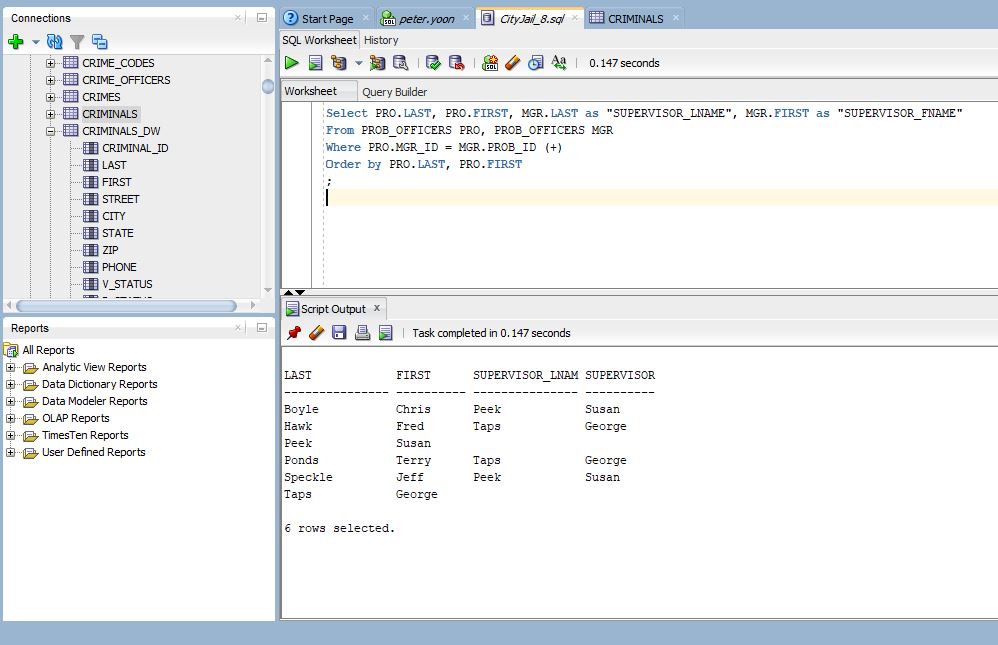
Select PRO.LAST, PRO.FIRST, MGR.LAST as "SUPERVISOR\_LNAME", MGR.FIRST as "SUPERVISOR\_FNAME"

From PROB\_OFFICERS PRO, PROB\_OFFICERS MGR

Where PRO.MGR\_ID = MGR.PROB\_ID (+)

Order by PRO.LAST, PRO.FIRST

;



**ANSI JOIN//Produce a list showing each probation officer’s name and his or her supervisor’s name**

Select PRO.LAST, PRO.FIRST, MGR.LAST as "Supervisor\_LNAME", MGR.FIRST as "Supervisor\_FNAME"

From PROB\_OFFICERS PRO

Left Outer Join PROB\_OFFICERS MGR

On PRO.MGR\_ID = MGR.PROB\_ID

Order by LAST, FIRST

;

