Assignment 04

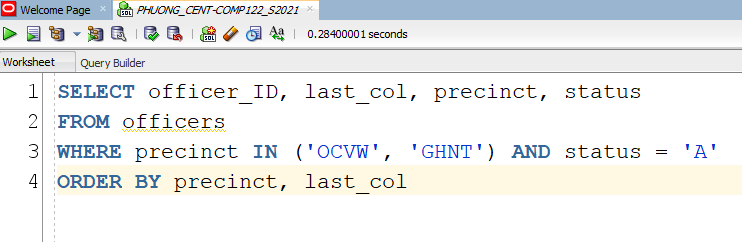
Student name: Phuong, Dinh Hoang Viet  
Student number: 301123263

1.

SELECT officer\_ID, last\_col, precinct, status

FROM officers

WHERE precinct IN ('OCVW', 'GHNT') AND status = 'A'

ORDER BY precinct, last\_col  


2.

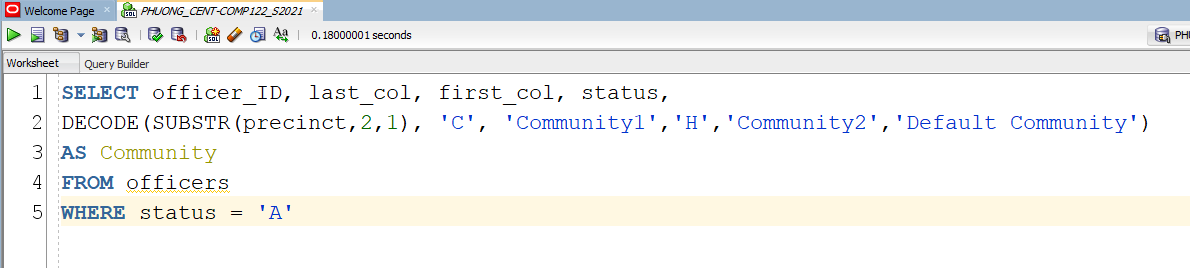
SELECT officer\_ID, last\_col, first\_col, status,

DECODE(SUBSTR(precinct,2,1), 'C', 'Community1','H','Community2','Default Community')

AS Community

FROM officers

WHERE status = 'A'



3.

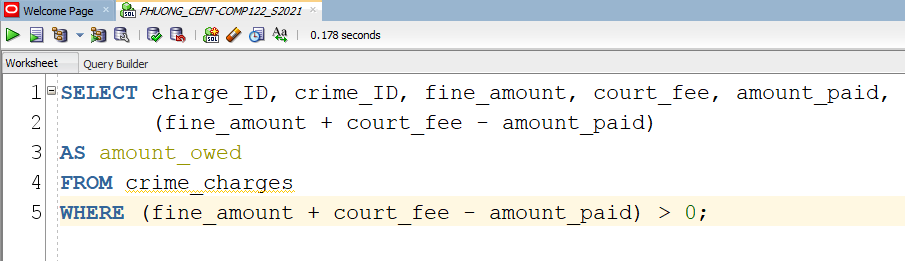
SELECT charge\_ID, crime\_ID, fine\_amount, court\_fee, amount\_paid,

(fine\_amount + court\_fee - amount\_paid)

AS amount\_owed

FROM crime\_charges

WHERE (fine\_amount + court\_fee - amount\_paid) > 0;



4.

SELECT cls.criminal\_id, cls.first\_col, cls.last\_col, cc.crime\_code, cc.fine\_amount

FROM ((criminals cls

INNER JOIN crimes cr

ON cr.criminal\_id = cls.criminal\_id

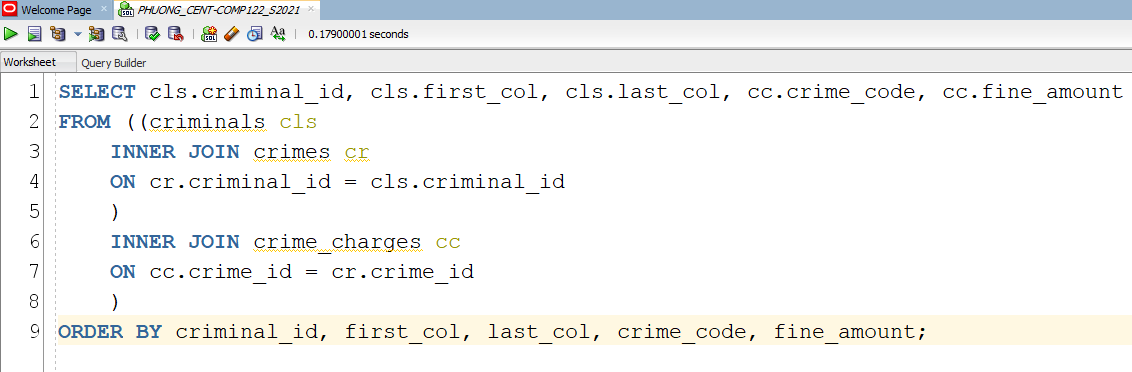
)

INNER JOIN crime\_charges cc

ON cc.crime\_id = cr.crime\_id

)

ORDER BY criminal\_id, first\_col, last\_col, crime\_code, fine\_amount;



5.

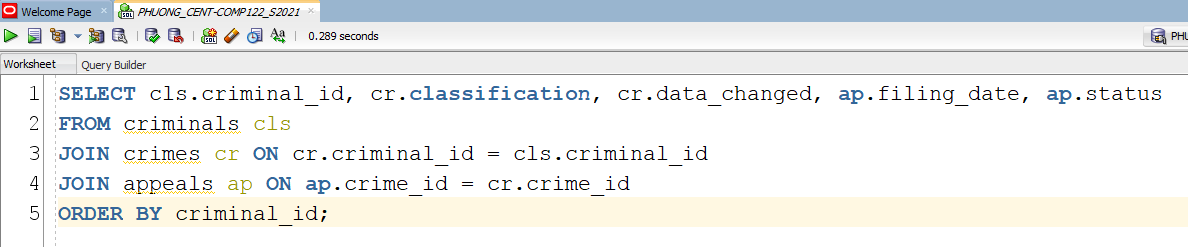
SELECT cls.criminal\_id, cr.classification, cr.data\_changed, ap.filing\_date, ap.status

FROM criminals cls

JOIN crimes cr ON cr.criminal\_id = cls.criminal\_id

JOIN appeals ap ON ap.crime\_id = cr.crime\_id

ORDER BY criminal\_id;



6.

SELECT cls.criminal\_id, cr.classification, cr.data\_changed,

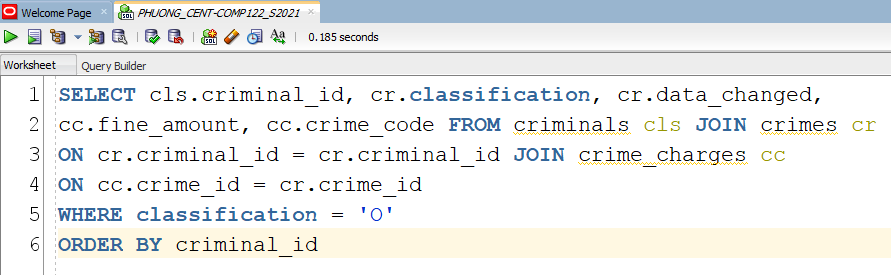
cc.fine\_amount, cc.crime\_code FROM criminals cls JOIN crimes cr

ON cr.criminal\_id = cr.criminal\_id JOIN crime\_charges cc

ON cc.crime\_id = cr.crime\_id

WHERE classification = 'O'

ORDER BY criminal\_id



7.

CREATE TABLE aliases ( alias\_ID numeric(6), criminal\_ID numeric(6,0), alias\_col VARCHAR(10) );

SELECT c.criminal\_id, c.last\_col, c.first\_col, c.v\_status, c.p\_status, a.alias\_ID

FROM criminals c, aliases a

WHERE c.criminal\_id = a.criminal\_id

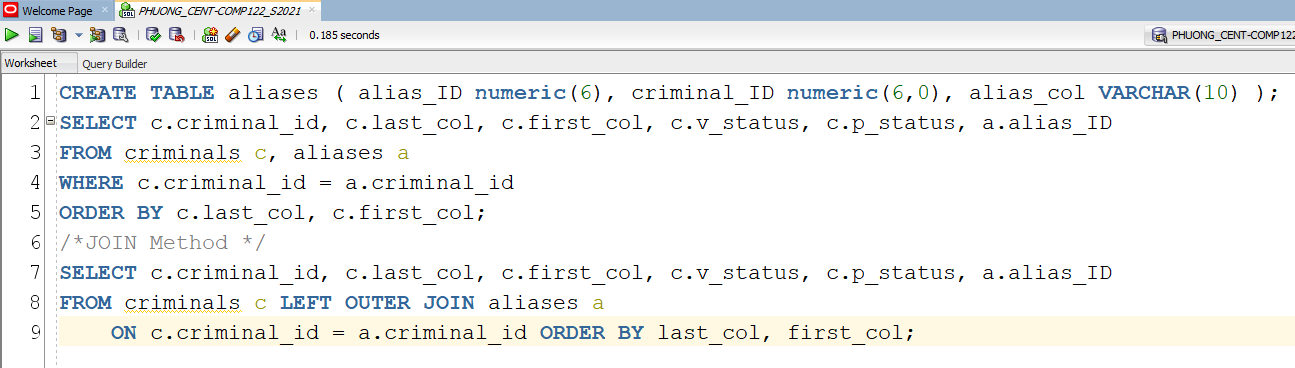
ORDER BY c.last\_col, c.first\_col;

/\*JOIN Method \*/

SELECT c.criminal\_id, c.last\_col, c.first\_col, c.v\_status, c.p\_status, a.alias\_ID

FROM criminals c LEFT OUTER JOIN aliases a

ON c.criminal\_id = a.criminal\_id ORDER BY last\_col, first\_col;



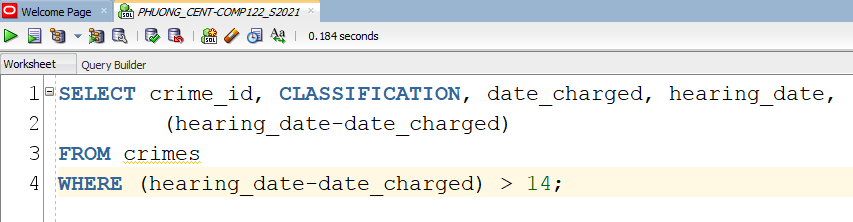
8.

SELECT crime\_id, CLASSIFICATION, date\_charged, hearing\_date,

(hearing\_date-date\_charged)

FROM crimes

WHERE (hearing\_date-date\_charged) > 14;

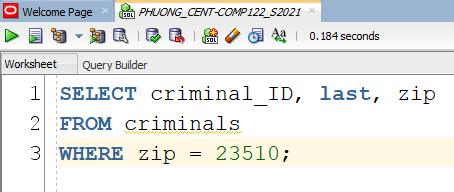


9.

SELECT criminal\_ID, last, zip

FROM criminals

WHERE zip = 23510;



10.

SELECT crime\_ID, criminal\_ID, date\_charged, hearing\_date

FROM crimes

WHERE hearing\_date IS NULL;

