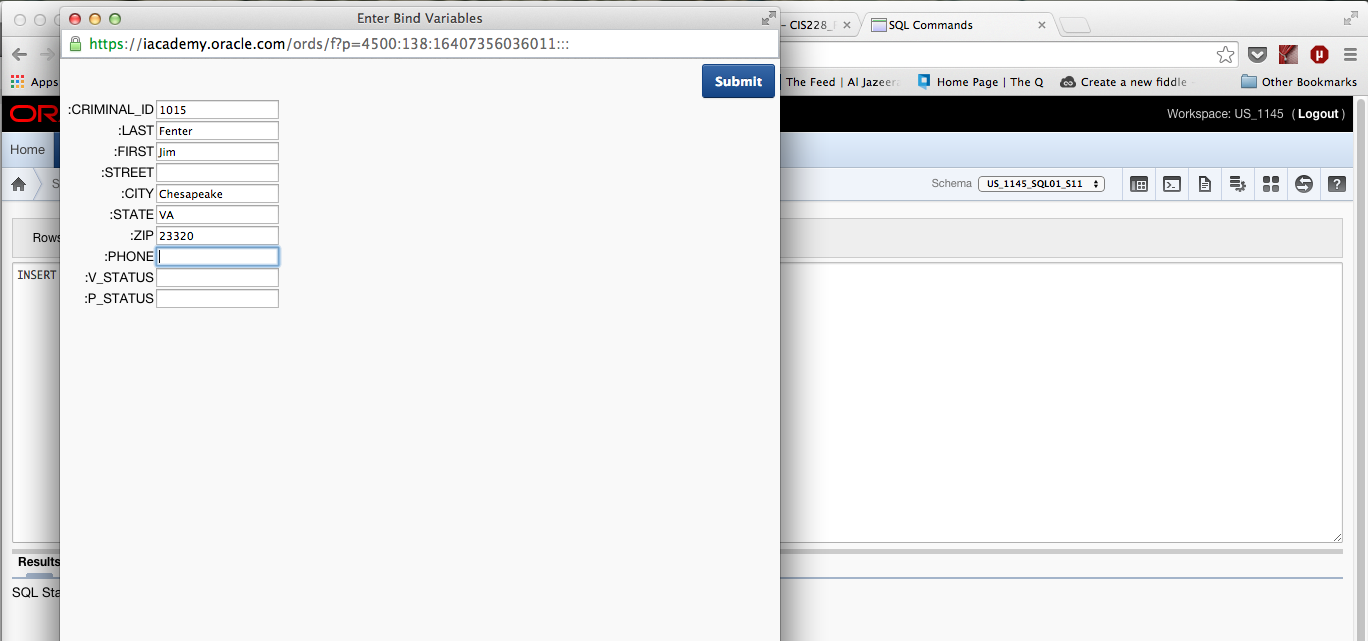
Doug Strouth

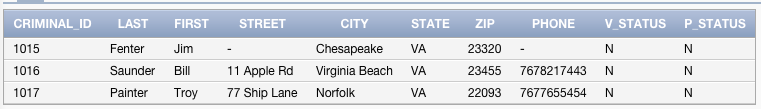
CIS228

Chapter 5 City Jail exercise

Part 1  
INSERT INTO Criminals (Criminal\_ID, Last, First, Street, City, State, Zip, Phone, V\_Status, P\_status)

VALUES (:Criminal\_ID, :Last, :First, :Street, :City, :State, :Zip, :Phone, :V\_Status,:P\_status);





ALTER TABLE Criminals

ADD (Mail\_flag CHAR(1));

UPDATE Criminals

SET Mail\_flag='Y';

UPDATE Criminals

SET Mail\_flag='N'

WHERE Street IS NULL;

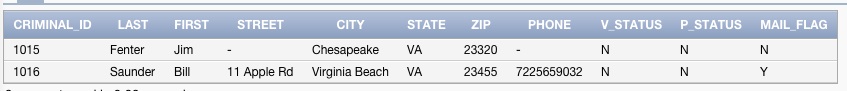
UPDATE Criminals

SET Phone='7225659032'

WHERE Criminal\_ID=1016;

DELETE FROM Criminals

WHERE Criminal\_ID=1017;



Part 2  
INSERT INTO Crimes (Crime\_ID, Criminal\_ID, Classification, Date\_charged, Status)

VALUES(100,1010,'M',15-JUL-09, 'PD');

This statement returns error “ORA-02290: check constraint (US\_1145\_SQL01\_S11.CRIMES\_STATUS\_CK) violated” because the value for Status must be either CL, CA, or IA and we have entered PD. Also, this statement is referencing a foreign key that does not exist. If I remove the status value and run the command again I get “ORA-02291: integrity constraint (US\_1145\_SQL01\_S11.CRIMES\_CRIMINALID\_FK) violated - parent key not found”

INSERT INTO Crimes (Crime\_ID, Criminal\_ID, Classification, Date\_charged, Status)

VALUES(130,1016,'M', ‘15-JUL-09’,'PD');

**“**ORA-02290: check constraint (US\_1145\_SQL01\_S11.CRIMES\_STATUS\_CK) violated”

This statement still violates the check constraint on status, but no longer references a foreign key that does not exist so ORA-02291 is no longer a problem

INSERT INTO Crimes (Crime\_ID, Criminal\_ID, Classification, Date\_charged, Status)

VALUES(130,1016,'P', ‘15-JUL-09’,'CL');

The error for this statement is “ORA-02290: check constraint (US\_1145\_SQL01\_S11.CRIMES\_CLASS\_CK) violated” This statement violates the check constraint on the Classification column because it can only be F,M, O, or U, not P as entered above.