Adrian Grimm

#5 Case Study

1.

a. INSERT INTO Criminals VALUES (

'&Criminal\_ID',

'&last',

'&first',

'&street',

'&city',

'&state',

'&zip',

'&Phone',

'&v\_status',

'&p\_status'

);

b. SELECT \*

FROM Criminals;

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1015 | Fenter | Jim |  | Chesapeake | VA | 23320 |  | N | N |
| 1016 | Saunder | Bill | 11 Apple Rd | Virginia Beach | VA | 23455 | 7678217443 | N | N |
| 1017 | Painter | Troy | 77 Ship Lane | Norfolk | VA | 22093 | 7677655454 | N | N |

c. ALTER TABLE Criminals

ADD Mail\_flag CHAR(1);

d. UPDATE Criminals

SET Mail\_flag = 'Y';

e. UPDATE Criminals

SET Mail\_flag = 'N'

WHERE Street is null;

f. UPDATE Criminals

SET Phone = '7225659032'

WHERE Criminal\_ID = '1015';

g. DELETE FROM Criminals

WHERE Criminal\_ID = '1017';

2.

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

VALUES ('100', '1010', 'M', '7-JUL-2009', 'PD');

SQL Error: ORA-02290: check constraint (SYSTEM.CRIMES\_STATUS\_CK) violated

The error is caused because the data in the 'Status' column must be one of the following values: CL, CA, IA. The constraint on this column checks data input to ensure the data matches.

There should also have been an error because the foreign key Criminal\_ID is not listed in the Criminals table.

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

VALUES ('130', '1016', 'M', '15-JUL-2009', 'PD');

SQL Error: ORA-02290: check constraint (SYSTEM.CRIMES\_STATUS\_CK) violated

The error is caused because the data in the 'Status' column must be one of the following values: CL, CA, IA. The constraint on this column checks data input to ensure the data matches.

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

VALUES ('130', '1016', 'P', '15-JUL-2009', 'CL');

SQL Error: ORA-02290: check constraint (SYSTEM.CRIMES\_CK) violated

The error is caused because the data in the 'Classification' column must be one of the following values: F, M, O, U. The constraint on this column checks data input to ensure the data matches.