**CIS 115**

**CH7 Case Study: City Jail**

User for each employee:

CREATE USER username

IDENTIFIED BY password

PASSWORD EXPIRE;

**A description of what types of objects are required:**

Criminal Records:

CREATE SESSION, SELECT, INSERT, UPDATE ON criminals, crimes, crime\_charges, aliases, officers, crime\_codes.

Court Recording:

CREATE SESSION, SELECT, INSERT, UPDATE ON appeals, sentences, prob\_officers.

Crimes Analysis:

CREATE SESSION, SELECT ANY TABLE

Data Officer:

CREATE SESSION, SELECT, DELETE ON crimes, sentences, appeals, crime\_charges.

**Criminal Records Department**

CREATE ROLE criminal\_rec;

GRANT CREATE SESSION

TO criminal\_rec;

GRANT SELECT, INSERT, UPDATE

ON schema.criminals

TO criminal\_rec;

GRANT SELECT, INSERT, UPDATE

ON schema.crimes

TO criminal\_rec;

GRANT SELECT, INSERT, UPDATE

ON schema.crime\_charges

TO criminal\_rec;

GRANT SELECT, INSERT, UPDATE

ON schema.aliases

TO criminal\_rec;

GRANT SELECT, INSERT, UPDATE

ON schema.officers

TO criminal\_rec;

GRANT SELECT, INSERT, UPDATE

ON schema.crime\_codes

TO criminal\_rec;

GRANT criminal\_rec TO username;

**Court Recording Department**

CREATE ROLE court\_rec;

GRANT CREATE SESSION

TO court\_rec;

GRANT SELECT, INSERT, UPDATE

ON schema.appeals

TO court\_rec;

GRANT SELECT, INSERT, UPDATE

ON schema.sentences

TO court\_rec;

GRANT SELECT, INSERT, UPDATE

ON schema.prob\_officers

TO court\_rec;

GRANT court\_rec TO username;

**Crimes Analysis Department**

CREATE ROLE crime\_analysis;

GRANT CREATE SESSION

TO crime\_analysis;

GRANT SELECT ANY TABLE

TO crime\_analysis;

GRANT crime\_analysis TO username;

**Data Officer Department**

CREATE ROLE d\_officer;

GRANT CREATE SESSION

TO d\_officer;

GRANT SELECT, DELETE

ON schema.sentences

TO d\_officer;

GRANT SELECT, DELETE

ON schema.crimes

TO d\_officer;

GRANT SELECT, DELETE

ON schema.crime\_charges

TO d\_officer;

GRANT SELECT, DELETE

ON schema.appeals

TO d\_officer;

GRANT d\_officer TO username;