PROMPT -- a) Display specific department courses

SELECT sub\_code, title, credits

FROM course

WHERE department IN ('Physics', 'Music', 'Finance', 'Biology');

PROMPT -- b) Instructors with name starting 'K' and salary > 65000

SELECT \*

FROM faculty\_info

WHERE name LIKE 'K%' AND salary > 65000;

PROMPT -- c) Gross and net salary computation

SELECT name, department,

salary + (salary \* 0.05) + (salary \* 0.20) AS gross\_salary,

(salary + (salary \* 0.05) + (salary \* 0.20)) - (salary \* 0.30) AS net\_salary

FROM faculty\_info;

PROMPT -- d) Salary range 60000 to 80000

SELECT \*

FROM faculty\_info

WHERE salary BETWEEN 60000 AND 80000;

PROMPT -- e) Second letter in name is 'r'

SELECT \*

FROM faculty\_info

WHERE name LIKE '\_r%';

PROMPT -- f) Comp. Sci. instructors by salary descending

SELECT name

FROM faculty\_info

WHERE department = 'Comp. Sci.'

ORDER BY salary DESC;

PROMPT -- g) 15% salary hike

UPDATE faculty\_info

SET salary = salary \* 1.15;

PROMPT -- Show updated table

DESC faculty\_info;

SELECT \* FROM faculty\_info;

PROMPT -- h) 3% hike for Comp. Sci. instructors with salary < 70000

UPDATE faculty\_info

SET salary = salary \* 1.03

WHERE department = 'Comp. Sci.' AND salary < 70000;

PROMPT -- Show updated table

DESC faculty\_info;

SELECT \* FROM faculty\_info;

PROMPT -- i) Annual salary display

SELECT name, salary \* 12 AS annual\_salary

FROM faculty\_info;

PROMPT -- j) Update title from Game Design to Game Theory

UPDATE course

SET title = 'Game Theory'

WHERE title = 'Game Design';

PROMPT -- Show updated table

DESC course;

SELECT \* FROM course;

PROMPT -- k) Delete History instructors

DELETE FROM faculty\_info

WHERE department = 'History';

PROMPT -- Show updated table

DESC faculty\_info;

SELECT \* FROM faculty\_info;

PROMPT -- l) Delete BIO courses

DELETE FROM course

WHERE sub\_code LIKE 'BIO%';

PROMPT -- Show updated table

DESC course;

SELECT \* FROM course;