3.1

#Set the share price of a stock (for simulating market fluctuations in a stock's share price)

DELIMITER //

CREATE PROCEDURE updateStockPrice(IN stockPrice INTEGER, stockSymbol CHAR(20))

BEGIN

UPDATE Stock

SET Stock.PricePerShare = stockPrice

WHERE Stock.StockSymbol = stockSymbol;

END//

Execution: Call updateStockPrice(400, 'F');

#Add, Edit and Delete information for an employee

#ADD

DELIMITER //

CREATE PROCEDURE addEmployee(IN ID INTEGER, SSN INTEGER, StartDate DATE, HourlyRate INTEGER)

BEGIN

INSERT INTO Employee

VALUES(ID, SSN, StartDate, HourlyRate);

END//

Execution: Call addEmployee(3, 111111111, '2016-03-23', 90);

#EDIT

DELIMITER //

CREATE PROCEDURE editEmployeeSSN(IN ID INTEGER, SSN INTEGER)

BEGIN

UPDATE Employee

SET Employee.SSN = SSN

WHERE Employee.ID = ID;

END//

Execution: call editEmployeeSSN(3, 222222222);

DELIMITER //

CREATE PROCEDURE editEmployeeStartDate(IN ID INTEGER, StartDate DATE)

BEGIN

UPDATE Employee

SET Employee.StartDate = StartDate

WHERE Employee.ID = ID;

END//

Execution: call editEmployeeStartDate(3, '2001-01-03');

DELIMITER //

CREATE PROCEDURE editEmployeeHourlyRate(IN ID INTEGER, HourlyRate INTEGER)

BEGIN

UPDATE Employee

SET HourlyRate = HourlyRate

WHERE Employee.ID = ID;

END//

Execution: call editEmployeeHourlyRate(3, 100);

#delete

DELIMITER //

CREATE PROCEDURE deleteEmployee(IN ID INTEGER)

BEGIN

DELETE FROM employee

Where ID = ID;

END//

Execution: call deleteEmployee(3);

#Obtain a sales report for a particular month

DELIMITER //

CREATE PROCEDURE monthlySalesReport(IN month INTEGER)

BEGIN

SELECT StockOrder.\*

FROM StockOrder

WHERE Month(StockOrder.DateTime) = month;

END//

Execution: call monthlySalesReport(2);

#Produce a comprehensive listing of all stocks

DELIMITER //

CREATE PROCEDURE stockListing()

BEGIN

SELECT\* FROM Stock;

END//

Execution: call stockListing();

#Produce a list of orders by stock symbol

DELIMITER //

CREATE PROCEDURE stockListingBySymbol()

BEGIN

SELECT\* FROM Stock

ORDER BY Stock.StockSymbol;

END //

Execution: call stockListingBySymbol ();