# Lab: SQL Programming Part 2 Answer Sheet Place Your Name Here: Nicholas Brown

## Place your Answers to Each Section in the Corresponding Area Below. Add as much additional space as you need so your answers are easy to read. Only Upload these Pages, not the Entire Lab.

**Answer 3.a-J This is your turn to write the SQL that would create the output as described. Work out your answer using Management Studio and then copy/paste just your sql commands below. You do not need to upload the result set.**

3.a

CREATE VIEW v\_fudgemart\_employee\_managers

AS

SELECT \*

FROM fudgemart\_employees

WHERE employee\_jobtitle IN ('CEO','Store Manager','Department Manager')

GO

-- Check to see its there --

SELECT TABLE\_NAME, VIEW\_DEFINITION

FROM INFORMATION\_SCHEMA.VIEWS

WHERE TABLE\_NAME = 'v\_fudgemart\_employee\_managers'

3.b

SELECT employee\_firstname, employee\_lastname, employee\_jobtitle, employee\_department, employee\_hourlywage

FROM v\_fudgemart\_employee\_managers

WHERE employee\_hourlywage > 19.00 AND NOT employee\_jobtitle = 'CEO'

GO

3.c

CREATE PROCEDURE p\_fudgemart\_markup\_retail\_by\_department (

@department varchar(20),

@amount money

) AS

BEGIN

UPDATE fudgemart\_products

SET product\_retail\_price = @amount+product\_retail\_price

WHERE product\_department = @department

END

GO

3.d

EXECUTE p\_fudgemart\_markup\_retail\_by\_department 'Clothing', 2.50

GO

EXECUTE p\_fudgemart\_markup\_retail\_by\_department 'Housewares', 3.75

GO

-- Check to see it worked --

SELECT product\_department, product\_name, product\_retail\_price FROM fudgemart\_products

WHERE product\_department IN ('Clothing','Housewares')

ORDER BY product\_department, product\_name

3.e

CREATE PROCEDURE p\_fudgemart\_deactivate\_product (

@product\_id int

) AS

BEGIN

UPDATE fudgemart\_products

SET product\_is\_active=0

WHERE product\_id=@product\_id

END

GO

3.f

DECLARE @SlotScrewdriverID int

DECLARE @MonkeyWrenchID int

SET @SlotScrewdriverID = (SELECT product\_id FROM fudgemart\_products WHERE product\_name='Slot Screwdriver')

SET @MonkeyWrenchID = (SELECT product\_id FROM fudgemart\_products WHERE product\_name='Monkey-Wrench')

-- Deactivate product --

EXECUTE p\_fudgemart\_deactivate\_product @SlotScrewdriverID

EXECUTE p\_fudgemart\_deactivate\_product @MonkeyWrenchID

GO

3.g

SELECT product\_name, product\_department FROM v\_fudgemart\_display\_active\_products

WHERE product\_department='Hardware'

GO

3.h

CREATE FUNCTION dbo.f\_fudgemart\_vendor\_product\_count (

@vendor\_id int

)

RETURNS int

AS

BEGIN

RETURN(SELECT COUNT(product\_id) FROM fudgemart\_products WHERE product\_vendor\_id=@vendor\_id)

END

GO

3.i

CREATE VIEW v\_fudgemart\_vendors

AS

SELECT \*, dbo.f\_fudgemart\_vendor\_product\_count (vendor\_id) as vendor\_product\_count FROM fudgemart\_vendors

GO

3.j

SELECT \* FROM v\_fudgemart\_vendors

WHERE vendor\_product\_count < 5