COMP 1630- Exercise 10
A01089842
Robert Desjardins

```sql
-- Ex. 10.1
DECLARE @lname varchar(30) = ' '
DECLARE @fname varchar(30) = ' '
SELECT @lname = lname,
       @fname = fname
FROM   employee
WHERE  lname LIKE 'Thomas%'

IF @@ROWCOUNT > 0
       BEGIN
       PRINT 'Employee name is ' + @fname + ' ' + @lname
       END
ELSE
       BEGIN
       PRINT 'Employee not found.'
       END


-- Ex. 10.2
DECLARE @hire_date1  datetime
DECLARE @hire_date2 datetime
SET    @hire_date1 = 'Jan 1 1989'
SET    @hire_date2 = 'Dec 31 1990'
SELECT e.emp_id                          AS EmployeeID,
       (e.lname + ', ' + e.fname)        AS Name,
       CONVERT(CHAR(12),e.hire_date,109) AS HireDate,
       e.job_id                          AS JobID,
       j.job_desc                        AS Description
FROM   employee e
INNER JOIN jobs j ON e.job_id = j.job_id
WHERE  e.hire_date BETWEEN @hire_date1 AND @hire_date2
ORDER BY      Name


-- Ex. 10.3
CREATE PROCEDURE author_info
(      @au_id varchar(11),
       @title_id      varchar(6),
       @last_name     varchar(40)  OUTPUT,
       @first_name    varchar(20)  OUTPUT,
       @royaltyper    int          OUTPUT )
AS
SELECT @last_name = a.au_lname,
       @first_name = a.au_fname,
       @royaltyper = ta.royaltyper
FROM   authors a
INNER JOIN titleauthor ta ON a.au_id = ta.au_id
WHERE  a.au_id = @au_id
       AND ta.title_id = @title_id
GO
```

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```sql
-- Ex. 10.4
DECLARE @last_name   varchar(40)
DECLARE @first_name  varchar(40)
DECLARE @royaltyper int
EXEC author_info      '672-71-3249', 'TC7777',
                      @last_name OUTPUT,
                      @first_name OUTPUT,
                      @royaltyper OUTPUT
PRINT 'Author: ' + @first_name + ' ' + @last_name
PRINT 'Royalty: ' + CONVERT(char(20),@royaltyper)



-- Ex. 10.5
CREATE PROCEDURE store_info
(       @price money  )
AS
SELECT s.stor_id                         AS StoreID,
       st.stor_name                      AS Name,
       CONVERT(CHAR(12),s.ord_date,102)  AS OrderDate,
       t.title_id                        AS TitleID,
       t.price                           AS Price,
       t.advance                         AS Advance
FROM   sales s
INNER JOIN    stores st ON s.stor_id = st.stor_id
INNER JOIN    titles t ON s.title_id = t.title_id
WHERE  t.price >= @price
ORDER BY s.stor_id
GO



-- Ex. 10.6
EXEC    store_info 15.00



-- Ex. 10.7a
CREATE TRIGGER tr_insert_ytd
ON      sales
FOR INSERT
AS
DECLARE @qty          smallint
DECLARE @title_id     varchar(6)
SELECT @qty = qty,
       @title_id = title_id
FROM inserted
UPDATE titles
SET ytd_sales = (ytd_sales + @qty)
WHERE title_id = @title_id
GO

-- Ex. 10.7b
INSERT INTO sales
VALUES('7131', 'Q789', 'Mar 1 2007', 5, 'Net 30', 'PS7777' )
```

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```sql
-- Ex. 10.8a
CREATE PROCEDURE pr_author_states
(       @state char(2) = NULL        )
AS
IF      @state IS NULL
        BEGIN
                PRINT 'Enter valid state'
        END
ELSE
        BEGIN
                SELECT au_id                          AS AuthorID,
                        (au_fname + ' ' + au_lname) AS Name,
                        address                       AS Address,
                        city                          AS City
                FROM    authors
                WHERE   state = @state
        END
GO

-- Ex. 10.8b
EXECUTE pr_author_states 'KS'


-- Ex. 10.9
ALTER PROCEDURE pr_author_states
(       @state char(2) = NULL        )
AS
IF      @state IS NULL
        BEGIN
                PRINT 'Enter valid state'
        END
ELSE
        BEGIN
                SELECT au_id                          AS AuthorID,
                        (au_fname + ' ' + au_lname) AS Name,
                        address                       AS Address,
                        city                          AS City,
                        state                         AS State,
                        zip                           AS Zip
                FROM    authors
                WHERE   state = @state
        END
GO


-- Ex. 10.10
DROP PROCEDURE pr_author_states
```