

Rebecca Candee
Pre-Lab 10/13/2021
2a)

The screenshot shows the SQL Server Enterprise Manager interface. The left pane displays the server hierarchy for 'IST359_M001_racandee'. The right pane shows a SQL query window with the following code:

```
--2a creating a stored procedure
create procedure p_fudgemart_add_product0
(
    @product_department varchar(20),
    @product_name varchar(50),
    @product_retail_price money,
    @product_wholesale_price money,
    @product_vendor_id int
)
as
begin
    insert into fudgemart_products (
        product_department, product_name, product_retail_price,
        product_wholesale_price, product_is_active, product_add_date,
        product_vendor_id
    ) values (
        @product_department, @product_name, @product_retail_price,
        @product_wholesale_price, 1, GETDATE(),
        @product_vendor_id
    )
    return @@identity
end
```

Below the code editor, the 'Messages' pane shows the following output:

```
Commands completed successfully.

Completion time: 2021-10-13T20:02:20.2346937-04:00
```

2b)

The screenshot shows the same SQL Server Enterprise Manager interface. The left pane is the same. The right pane shows a SQL query window with the following code:

```
) values (
    @product_department, @product_name, @product_retail_price,
    @product_wholesale_price, 1, GETDATE(),
    @product_vendor_id
)
return @@identity
end
select routine_name, routine_type, routine_definition
from information_schema.routines
where routine_name = 'p_fudgemart_add_product'
```

Below the code editor, the 'Results' pane shows the following output:

	routine_name	routine_type	routine_definition
1	p_fudgemart_add_product	PROCEDURE	create procedure p_fudgemart_add_product (@p...

2c)

The screenshot shows a SQL Server Enterprise Manager interface. The left pane displays a tree view of the database structure, including 'fudge' and 'fudge.dbo'. The central pane shows a query window titled 'SQLQuery1.sql - dbf... (AD\racandee (91))'. The query contains the following SQL code:

```
--2b
execute p_fudgemart_add_product 'Hardware', 'Monkey-Wrench', 12.95, 6.95, 3

select top 1 * from fudgemart_products order by product_id desc

--2c
--define the return variable
declare @product_id int
--execute the procedure
execute @product_id = p_fudgemart_add_product
    @product_name= 'Slot Screwdriver',
    @product_department='Hardware',
    @product_retail_price = 6.95,
    @product_wholesale_price = 3.95,
    @product_vendor_id = 3
-- run a select to see the inserted value
select * from fudgemart_products where product_id=@product_id
```

The results pane at the bottom shows a single row of data:

product_id	product_department	product_name	product_retail_price	product_wholesale_price	product_is_active	product_add_date	product_vendor_id	product_description
60	Hardware	Slot Screwdriver	6.95	3.95	1	2021-10-13 19:57:20.340	3	NULL

2d)

The screenshot shows a SQL Server Enterprise Manager interface. The left pane displays a tree view of the database structure, including 'fudge' and 'fudge.dbo'. The central pane shows a query window titled 'SQLQuery1.sql - dbf... (AD\racandee (91))'. The query contains the following SQL code:

```
-- run a select to see the inserted value
select * from fudgemart_products where product_id=@product_id

create view v_fudgemart_display_active_products
as
select product_id, product_name, product_department, product_wholesale_price, prod
    vendor_id, vendor_name, vendor_website
    from fudgemart_products join fudgemart_vendors on vendor_id=product_vendor_id
    where product_is_active=1

select table_name, view_definition
    from information_schema.views
    where table_name = 'v_fudgemart_display_active_products'
```

The results pane at the bottom shows a single row of data:

table_name	view_definition
v_fudgemart_display_active_products	create view v_fudgemart_display_active_products ...

2e)

```

where table_name = 'v_fudgemart_display_active_products'

select vendor_name, product_name, product_wholesale_price, product_retail_price
from v_fudgemart_display_active_products
where product_department = 'Hardware'
order by vendor_name, product_name

```

100 %

Results Messages

	vendor_name	product_name	product_wholesale_price	product_retail_price
1	Blackened-Deckhand	10" Miter Saw	140.00	200.00
2	Blackened-Deckhand	19.2v Drill Driver Set	45.00	90.00
3	Blackened-Deckhand	Belt Sander	180.00	250.00
4	Blackened-Deckhand	Lazer Level	25.00	45.00
5	Blackened-Deckhand	Power Washer	180.00	290.00
6	Blackened-Deckhand	Table Saw	180.00	290.00
7	Stanlee	18v Drill Driver Set	45.00	90.00
8	Stanlee	Cold Chisel Set	5.00	10.00
9	Stanlee	Drill Bit Set	13.00	25.00
10	Stanlee	Monkey-Wrench	6.95	12.95
11	Stanlee	Rip Claw Hammer	12.00	19.95
12	Stanlee	Screwdriver Set	5.00	10.00
13	Stanlee	Slot Screwdriver	3.95	6.95

✓ Query executed successfully.

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