1. Function vs Procedure
   1. Functions have to return a value and can only have input parameters; they can be called from within a function but not vice versa
   2. Procedures can have input and output parameters; they cannot be embedded in SELECT statements
2. Function getPriority:

DELIMITER ||

CREATE FUNCTION getPriority

(order\_id)

RETURNS varchar(6)

BEGIN

DECLARE priority varchar(6)

SELECT quantity into @quant from orders where orders.order\_id = order\_id;

SELECT price into @pprice from products, orders where products.product\_id = orders.product\_id;

IF @quant \* @pprice > 1000 THEN

SET priority = “High”;

ELSEIF @quant \* @pprice >= 500 THEN

SET priority = “Medium”;

ELSEIF @quant \* @pprice < 500 THEN

SET priority = “Low”;

END IF;

RETURN priority;

END

|| DELIMITER ;

1. DELIMITER ||

CREATE PROCEDURE updateTotalCost

BEGIN

DECLARE spot INT default 8;

WHILE spot >= 0 DO

SELECT total\_cost into @tc from orders where order\_id = spot;

SELECT quantity into @quant from orders where orders.product\_id = spot;

SELECT price into @pprice from products, orders where products.product\_id = orders.product\_id AND orders.order\_id = spot;

SELECT on\_sale into @sale from products where products.product\_id = orders.product\_id AND orders.order\_id = spot;

SET @tc = @quant \* @pprice - @sale \* 0.2 ;

UPDATE orders set total\_cost = @tc;

SET spot = spot – 1;

END WHILE;

END;

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