Database Module 3 No 4, 7, 9

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No 4

Add a constraint named “check\_phonenumber” to check the CustomerPhone must be numeric.

ALTER TABLE mscustomer ADD CONSTRAINT check\_phonenumber CHECK (mscustomer.CustomerPhone REGEXP '^\d\*')

A screenshot of a computer

Description automatically generated

No 7

Update data on MsCustomer table by adding ‘Mrs.’ to customer name and adding ‘lady’ to customer email before the ‘@’ character for every female customer which age is over 20.

(CONCAT, INSERT, LOCATE, TIMESTAMPDIFF, CURDATE)

UPDATE mscustomer

SET mscustomer.CustomerName = CONCAT('Mrs.',mscustomer.CustomerName),

mscustomer.CustomerEmail =INSERT(mscustomer.CustomerEmail, LOCATE('@',mscustomer.CustomerEmail),0,'lady')

WHERE mscustomer.CustomerGender = 'Female' AND TIMESTAMPDIFF(YEAR,mscustomer.CustomerDOB,CURRENT\_DATE())>20



After Update:



No 9

Display EmployeeName and EmployeeAddress for every employee who ever handled a transaction with a female customer in December.

(DISTINCT, MONTH)

SELECT DISTINCT(msemployee.EmployeeName) AS 'EmployeeName', msemployee.EmployeeAddress

FROM msemployee INNER JOIN transactionheader ON msemployee.EmployeeID = transactionheader.EmployeeID INNER JOIN mscustomer ON transactionheader.CustomerID = mscustomer.CustomerID

WHERE mscustomer.CustomerGender = 'Female' AND MONTH(transactionheader.TransactionDate) = 12

