SQL QUERY

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| CREATE DATABASE AppXilon;  CREATE TABLE Customer (  C\_Id VARCHAR(10) NOT NULL,  C\_Name VARCHAR(200) NOT NULL,  C\_Phone INT(13) NOT NULL,  C\_Password VARCHAR(200) NOT NULL,  C\_Occupation VARCHAR(30) NOT NULL,  C\_Gender VARCHAR(20) NOT NULL,  C\_BirthDate DATE NOT NULL,  C\_Email VARCHAR(100) NOT NULL,  PRIMARY KEY (C\_Id)  );  CREATE TABLE Customer\_Address (  C\_Id VARCHAR(10) Not Null,  CA\_Id VARCHAR(10) not Null,  Street\_1 VARCHAR(50) Not Null,  Street\_2 VARCHAR(50),  Passcode INT(5) Not Null,  City VARCHAR(20) Not Null,  State VARCHAR(20) Not Null,  PRIMARY KEY (C\_Id, CA\_Id),  CONSTRAINT FK\_CUSTOMER\_ADDRESS FOREIGN KEY (C\_Id) REFERENCES Customer(C\_Id)  );  CREATE TABLE Credit\_Card\_Info (  C\_Id VARCHAR(10) NOT NULL,  CC\_Number INT(16) NOT NULL,  CC\_BanK VARCHAR(20) NOT NULL,  CC\_Type VARCHAR(20) NOT NULL,  PRIMARY KEY (C\_Id, CC\_Number),  CONSTRAINT FK\_CREDIT\_CARD\_INFO FOREIGN KEY (C\_Id)  REFERENCES Customer(C\_Id)  );  CREATE TABLE Chatbot (  Q\_Id VARCHAR(10) NOT NULL,  Query VARCHAR(200) NOT NULL,  Reply VARCHAR(200) NOT NULL,  PRIMARY KEY (Q\_Id)  );  CREATE TABLE Chat\_Customer (  C\_Id VARCHAR(10) NOT NULL,  Q\_Id VARCHAR(10) NOT NULL,  Chat\_DateTime DATETIME NOT NULL,  PRIMARY KEY (Q\_Id, C\_Id),  CONSTRAINT FK\_CHAT\_CUSTOMER FOREIGN KEY (C\_Id)  REFERENCES Customer(C\_Id)  );  CREATE TABLE Cart\_Item (  C\_Id VARCHAR(10) NOT NULL,  CI\_Id VARCHAR(10) NOT NULL,  CI\_Quantity INT NOT NULL,  CI\_Price double NOT NULL,  PRIMARY KEY (CI\_Id),  CONSTRAINT FK\_CART\_ITEM FOREIGN KEY (C\_Id)  REFERENCES Customer(C\_Id)  );  CREATE TABLE Restaurant\_Table (  T\_Id VARCHAR(10) NOT NULL,  T\_Pax INT(20) NOT NULL,  T\_Position VARCHAR(20) NOT NULL,  T\_Status VARCHAR(20) NOT NULL,  PRIMARY KEY (T\_Id)  );  CREATE TABLE Payment\_Info (  PM\_Id VARCHAR(10) NOT NULL,  PM\_Type INT(20) NOT NULL,  PM\_Cashier VARCHAR(128) NOT NULL,  PM\_Status VARCHAR(20) NOT NULL,  PRIMARY KEY (PM\_Id)  );  CREATE TABLE Delivery (  D\_Id VARCHAR(10) NOT NULL,  D\_Charge DOUBLE(10) NOT NULL,  D\_DateTime DATETIME NOT NULL,  D\_Status VARCHAR(30) NOT NULL,  PRIMARY KEY (D\_Id)  );  CREATE TABLE Cust\_Order (  O\_Id VARCHAR(10) NOT NULL,  C\_Id VARCHAR(10) NOT NULL,  T\_Id VARCHAR(10) NOT NULL,  D\_Id VARCHAR(10) NOT NULL,  PM\_Id VARCHAR(10) NOT NULL,  O\_DateTime DATETIME NOT NULL,  Dine\_DateTime DATETIME,  O\_Total DOUBLE NOT NULL,  O\_Type VARCHAR(30) NOT NULL  O\_Status VARCHAR(30) NOT NULL,  PRIMARY KEY (O\_Id),  CONSTRAINT FK\_CUST\_ORDER\_1 FOREIGN KEY (C\_Id)  REFERENCES Customer(C\_Id),  CONSTRAINT FK\_CUST\_ORDER\_2 FOREIGN KEY (T\_Id)  REFERENCES Restaurant\_Table(T\_Id),  CONSTRAINT FK\_CUST\_ORDER\_3 FOREIGN KEY (D\_Id)  REFERENCES Delivery(D\_Id),  CONSTRAINT FK\_CUST\_ORDER\_4 FOREIGN KEY (PM\_Id)  REFERENCES Payment\_Info(PM\_Id)  );  CREATE TABLE Shop (  S\_Id VARCHAR(10) NOT NULL,  S\_Name VARCHAR(128) NOT NULL,  S\_Desc VARCHAR(128) NOT NULL,  S\_TermCond VARCHAR(128) NOT NULL,  PRIMARY KEY (S\_ID)  );  CREATE TABLE Shop\_Industry\_Category (  S\_Id VARCHAR(10) NOT NULL,  SI\_Category VARCHAR(50) NOT NULL,  SI\_Desc VARCHAR(128) NOT NULL,  PRIMARY KEY (S\_Id, SI\_Category),  CONSTRAINT FK\_SHOP\_INDUSTRY\_CATEGORY FOREIGN KEY (S\_Id)  REFERENCES Shop(S\_Id)  );  CREATE TABLE Shop\_Business\_Hour (  S\_Id VARCHAR(10) NOT NULL,  Day\_of\_Week VARCHAR(20) NOT NULL,  Status VARCHAR(20) NOT NULL,  Start\_Time DATETIME NOT NULL,  End\_Time DATETIME NOT NULL,  PRIMARY KEY (S\_Id, Day\_Of\_Week),  CONSTRAINT FK\_SHOP\_BUSINESS\_HOUR FOREIGN KEY (S\_Id)  REFERENCES Shop(S\_Id)  );  CREATE TABLE Product (  P\_Id VARCHAR(10) NOT NULL,  O\_Id VARCHAR(10) NOT NULL,  S\_Id VARCHAR(10) NOT NULL,  P\_Name VARCHAR(50) NOT NULL,  P\_Price DOUBLE NOT NULL,  R\_Image VARBINARY(MAX),  P\_Desc VARCHAR(50) NOT NULL,  P\_Discount VARCHAR(10),  P\_Disc\_Price DOUBLE,  PRIMARY KEY (P\_Id),  CONSTRAINT FK\_PRODUCT\_1 FOREIGN KEY (O\_Id)  REFERENCES Cust\_Order(O\_Id),  CONSTRAINT FK\_PRODUCT\_2 FOREIGN KEY (S\_Id)  REFERENCES Shop(S\_Id)  );  CREATE TABLE Product\_Category (  P\_Id VARCHAR(10) NOT NULL,  PC\_Category VARCHAR(50) NOT NULL,  PC\_Desc VARCHAR(20) NOT NULL,  PRIMARY KEY (P\_Id, PC\_Category),  CONSTRAINT FK\_PRODUCT\_CATEGORY FOREIGN KEY (P\_Id)  REFERENCES Product(P\_Id)  );  CREATE TABLE Review (  O\_Id VARCHAR(10) NOT NULL,  P\_Id VARCHAR(10) NOT NULL,  R\_Comment VARCHAR(200),  R\_Rate TINYINT(1) NOT NULL,  R\_Image VARBINARY(MAX),  R\_DateTime TIMESTAMP NOT NULL,  PRIMARY KEY (O\_Id, P\_Id),  CONSTRAINT FK\_REVIEW\_1 FOREIGN KEY (O\_Id)  REFERENCES Cust\_Order(O\_Id),  CONSTRAINT FK\_REVIEW\_2 FOREIGN KEY (P\_Id)  REFERENCES Product(P\_Id)  );  CREATE TABLE Manager (  M\_Id VARCHAR (10) NOT NULL,  M\_Name VARCHAR(20) NOT NULL,  M\_Email VARCHAR(20) NOT NULL,  M\_Password VARCHAR(20) NOT NULL,  PRIMARY KEY (M\_Id)  );  CREATE TABLE Manager\_Address (  M\_Id VARCHAR(10) NOT NULL,  MA\_Id VARCHAR(10) NOT NULL,  Street\_1 VARCHAR(50) NOT NULL,  Street\_2 VARCHAR(50),  Passcode INT(5) NOT NULL,  City VARCHAR(20) NOT NULL,  State VARCHAR(20) NOT NULL,  PRIMARY KEY (M\_Id, MA\_Id),  CONSTRAINT FK\_MANAGAER\_ADDRESS FOREIGN KEY (M\_Id)  REFERENCES Manager(M\_Id)  );  CREATE TABLE Promotion (  PR\_Id VARCHAR(10) NOT NULL,  M\_Id VARCHAR(10) NOT NULL,  PR\_Name VARCHAR(200) NOT NULL,  PR\_Desc VARCHAR(200) NOT NULL,  PR\_DateTime DATETIME NOT NULL,  PR\_Image VARBINARY(MAX),  PRIMARY KEY (PR\_Id),  CONSTRAINT FK\_PROMOTION FOREIGN KEY (M\_Id)  REFERENCES Manager(M\_Id)  );  CREATE TABLE Admin (  A\_Id VARCHAR(10) NOT NULL,  A\_Name VARCHAR(20) NOT NULL,  A\_Email VARCHAR(20) NOT NULL,  A\_Password VARCHAR(20) NOT NULL,  PRIMARY KEY (A\_Id)  );  CREATE TABLE Admin\_Address (  A\_Id VARCHAR(10) NOT NULL,  AA\_Id VARCHAR(10) NOT NULL,  Street\_1 VARCHAR(50) NOT NULL,  Street\_2 VARCHAR(50),  Passcode INT(5) NOT NULL,  City VARCHAR(20) NOT NULL,  State VARCHAR(20) NOT NULL,  PRIMARY KEY (A\_Id, AA\_Id),  CONSTRAINT FK\_ADMIN\_ADDRESS FOREIGN KEY (A\_Id)  REFERENCES Admin(A\_Id)  );  CREATE TABLE FAQ (  FAQ\_Id VARCHAR (10) NOT NULL,  FAQ\_Category VARCHAR (20) NOT NULL,  FAQ\_Question VARCHAR (20) NOT NULL,  FAQ\_Answer VARCHAR(128) NOT NULL,  PRIMARY KEY (FAQ\_Id)  );  /\*  logname: event name [delete, insert, update] on table [Cust\_Order, Product, Customer, Delivery, Shop]  log description: event description [on affected row or id]  author: prepared by who?  datetime  \*/  CREATE TABLE Log (  Log\_Name VARCHAR (20) NOT NULL,  Log\_Description VARCHAR(120) NOT NULL,  Log\_Author VARCHAR (20) NOT NULL,  Log\_DateTime DATETIME NOT NULL,  ); 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MySQL audit logging using triggers reference:

<https://vladmihalcea.com/mysql-audit-logging-triggers/>