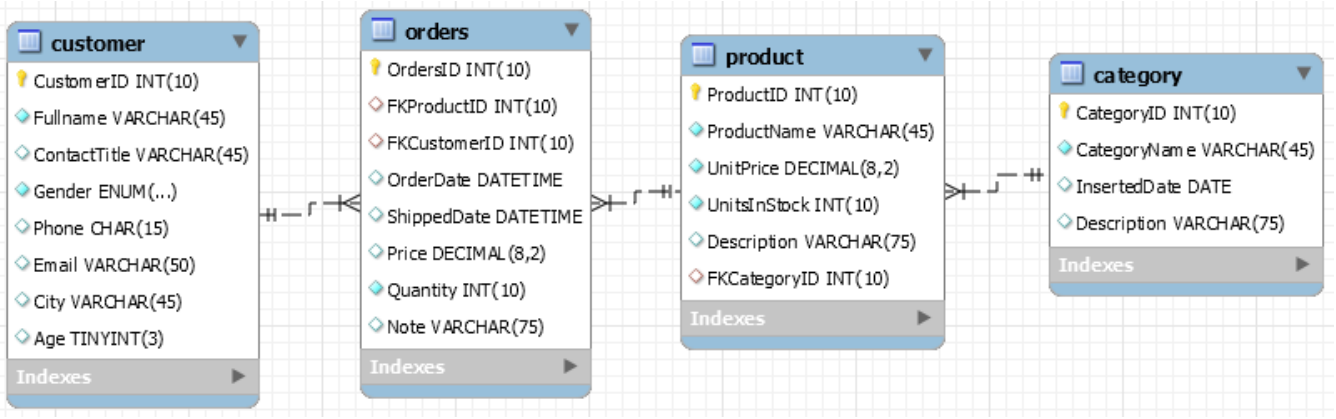
Ishik University
IT Department
Database Systems II
Quiz 2
08/04/2018

Q1. Write SQL statement to build **category** and **product** tables and relations based on the following schema (**use on update cascade on delete set null**).




```
create table Category (
CategoryID  int,
CategoryName  varchar(45),
InsertedDate  date,
Description varchar(75),
primary key (CategoryID)
);

create table Product(
ProductID  int primary key,
ProductName  varchar(45),
UnitPrice decimal(8,2),
UnitsInStock int,
Description varchar(75),
FKCategoryID int,
foreign key(`FKCategoryID`) references `Category`(`CategoryID`)
);
```

Q2. Write an SQL statement to get fullname and count number of the orders for each customer.

```
select Fullname,count(OrdersID)
from Customer inner join Orders on CustomerID=FKCustomerID
group by CustomerID;
```

Q3. Write an SQL statement to get all the categories and those products **with** category and **without** category.

```
select CategoryName,ProductName
from Category left outer join Product on CategoryID=FKCategoryID;
```

Q4. Write an SQL statement to get Fullname, CategoryName, ProductName, OrderDate, Quantity, Price that their Quantity is less than 30 (**use inner join**)

```
select Fullname,CategoryName,ProductName,OrderDate,Quantity,Price
from Category inner join Product on CategoryID=FKCategoryID inner join
Orders on ProductID=FKProductID inner join Customer on
CustomerID=FKCustomerID
where Quantity<=30;
```

Q5. Write an SQL statement to create a view for the query in **Q4**.

```
create view ordersReport as
select Fullname,CategoryName,ProductName,OrderDate,Quantity,Price
from Category inner join Product on CategoryID=FKCategoryID inner join
Orders on ProductID=FKProductID inner join Customer on
CustomerID=FKCustomerID;
```

Q6. Write an SQL statement to list **fullname** of the customers that their fullname starts with a.

```
select Fullname
from Customer
where Fullname like 'a%';
```