CSIS05I

Database Systems II

Lab (7)

Exercise

1- Retrieve the customer ids and names in which their DOB is '18/12/1960' along with its corresponding order id using a stored procedure.

Solution

```sql
CREATE PROCEDURE customerDOB

AS
SELECT orderID, CustomerID, CustFirstName, CustLastName
FROM Customer,Orderr
where CID= CustomerID AND CustomerDOB = '18/12/1960';

GO

Execute customerDOB;
```

2- Retrieve the product ID and description in which the quantity of the product should be greater than five using a stored procedure.

Solution

```sql
CREATE PROCEDURE ProductQuantitygreaterthanFive

AS
SELECT PID, Pdescription, Quantity
FROM Product, Order_Details
where PID = ProductID and Quantity > 5;
GO

Execute ProductQuantitygreaterthanFive;
```

3- Retrieve the customer ID and the customer's order in which the customer last name should end by 'n' using a stored procedure.

Solution

```sql
CREATE PROCEDURE CustomerLastNameLike

AS
SELECT CustLastName, OrderID, CustomerID
FROM Orderr, Customer
where CID = CustomerID and CustLastName like '%n'
GO

Execute CustomerLastNameLike;
```

4- Retrieve the order ID and its status along with the product name using a stored procedure.

__Solution__

```
CREATE PROCEDURE Order_prod

AS
SELECT  orderr.OrderID , OrderStatus, PName
FROM Product, order_details, Orderr
where PID=ProductID
AND orderr.OrderID= order_details.OrderID
GO

Execute Order_prod;
```

5- Retrieve the product names and the order ID that has been ordered by customer his first name is 'Steven' (entered by the user) using a stored procedure and nested queries.

__Solution__

```
CREATE PROCEDURE ProductNameThatStevenOrder

@CustomerFirstName Varchar(10)

AS

SELECT Pname, OrderID
FROM Product, order_details
where PID=ProductID
AND OrderID IN (select OrderID
                from Orderr, Customer where CID= CustomerID
                and CustFirstName= @CustomerFirstName)

GO

Execute ProductNameThatStevenOrder @CustomerFirstName = 'Steven';
```