Bahria University,

Karachi Campus



LAB EXPERIMENT NO.

\_\_\_\_08\_\_\_

LIST OF TASKS

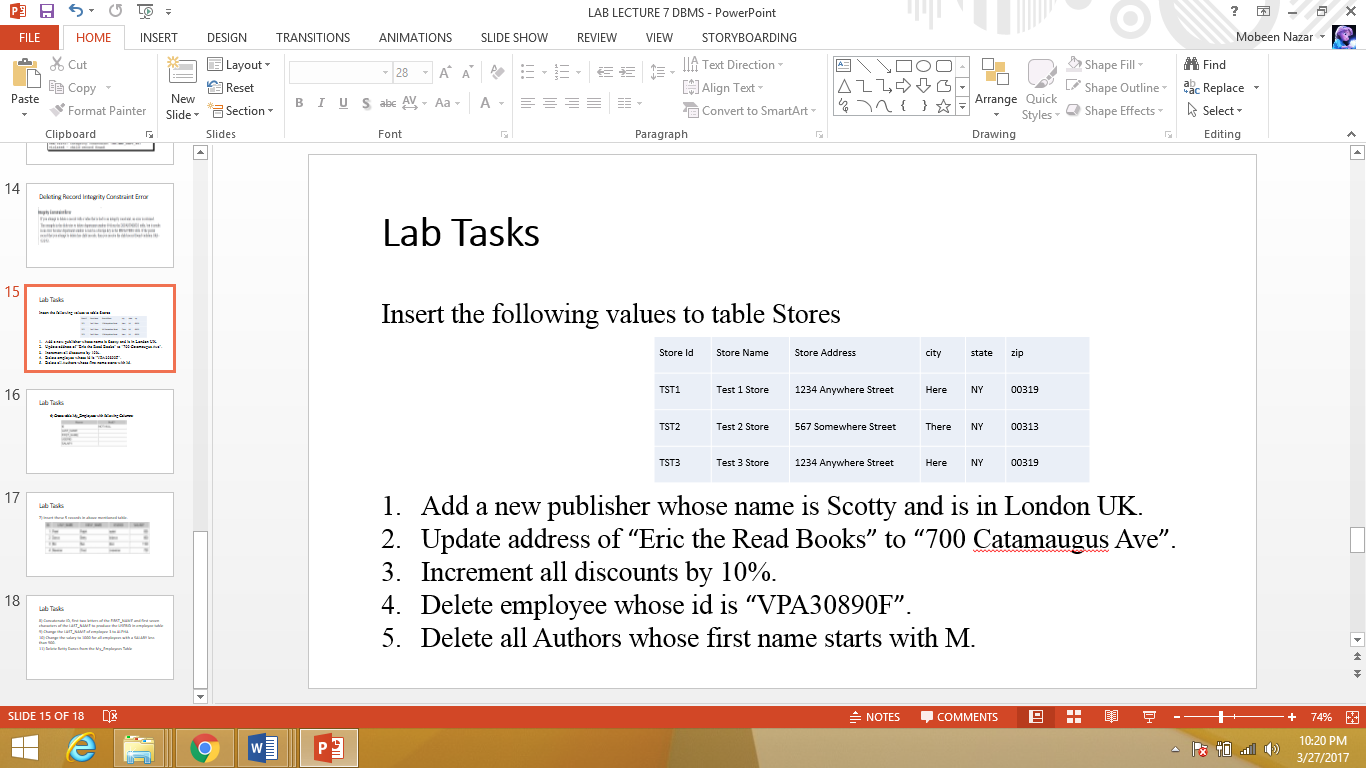
|  |  |
| --- | --- |
| TASK NO | OBJECTIVE |
| 1 | **Insert the following values to table Store** |
| 2 | **Add a new publisher whose name is Scotty and is in London UK** |
| 3 | **Update address of “Eric the Read Books” to “700 Catamaugus Ave”.** |
| 4 | **Increment all discounts by 10%.** |
| 5 | **Delete employee whose id is “VPA30890F”.** |
| 6 | **Delete all Authors whose first name starts with M** |
| 7 | **Create table My\_Employees with following Columns:** |
| 8 | **Insert these 5 records in above mentioned table My\_Employees.** |
| 9 | **Concatenate ID, first two letters of the FIRST\_NAME and first seven characters of the LAST\_NAME to produce the USERID in employee table** |
| 10 | **Change the LAST\_NAME of employee 3 to ALPHA** |
| 11 | **Change the salary to 1000 for all employees with a SALARY less than 900.** |
| 12 | **Delete Betty Dancs from the My\_Employees Table.** |
| 13 | **Create a unique index on the order table using EmployeeID (Use Northwind)** |
| 14 | **Create a non-clustered index on the OrderDate column of the Orders table (Use Northwind)** |
| 15 | **Delete the index you created in Task # 14 (Use Northwind)** |
| 16 | **Create a clustered index on the region table using regionid (Use Northwind)** |

Submitted On:

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(Date: 20/04/2021)

**Task 1: Insert the following values to table Stores**



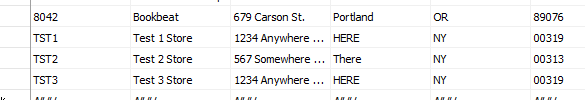
**Query:**

insert into Stores(Stor\_id ,stor\_name,stor\_address,city,state,zip) values('TST1','Test 1 Store','1234 Anywhere Street','HERE','NY','00319');

insert into Stores(Stor\_id ,stor\_name,stor\_address,city,state,zip) values('TST2','Test 2 Store','567 Somewhere Street','There','NY','00313');

insert into Stores(Stor\_id ,stor\_name,stor\_address,city,state,zip) values('TST3','Test 3 Store','1234 Anywhere Street','HERE','NY','00319');

**Output:**



**Task 2: Add a new publisher whose name is Scotty and is in London UK.**

**Query:**

insert into Publishers(pub\_id,pub\_name,city,country) values ('9904','Scotty','London','UK')

**Output:**

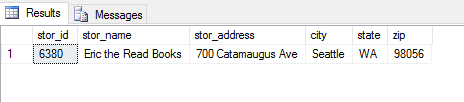


**Task 3: Update address of “Eric the Read Books” to “700 Catamaugus Ave”.**

**Query:**

update stores set stor\_address='700 Catamaugus Ave' where stor\_name='Eric the Read Books'

**Output:**

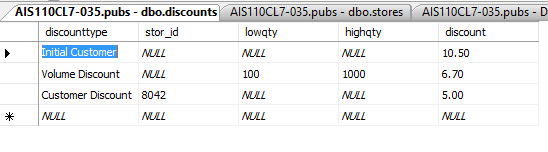


**Task 4: Increment all discounts by 10%.**

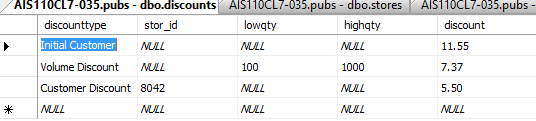
**Query:**

update discounts set discount= discount+((discount\*10)/100)

**Before:**



**After:**



**Task 5: Delete employee whose id is “VPA30890F”.**

**Query:**

delete from Employee where emp\_id='VPA30890F'

**Before:**



**After:**



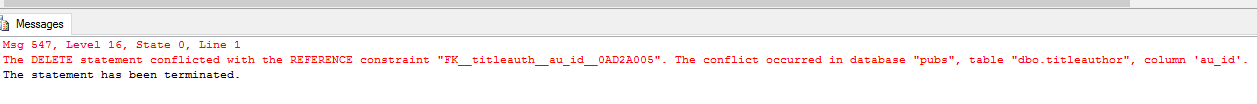
**Task 6: Delete all Authors whose first name starts with M.**

**Query:**

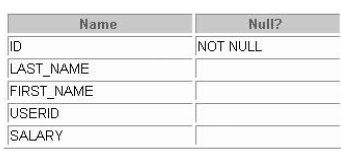
delete from authors where au\_fname like 'M%'

**Output:**

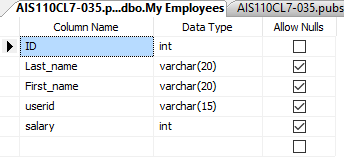
*Cannot delete because it has some data, related to it, in titleauthor table.*



**Task 7: Create table My\_Employees with following Columns:**



**Query: Output:**

create table [My Employees] (

ID int not null,

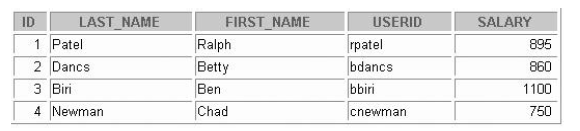
Last\_name varchar(20) ,

First\_name varchar(20),

userid varchar(15),

salary int)

**Task 8: Insert these 5 records in above mentioned table My\_Employees.**



**Code:**

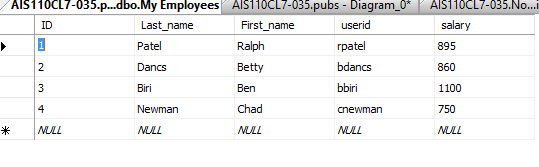
insert into [My Employees] values(1,'Patel','Ralph','rpatel',895)

insert into [My Employees] values(2,'Dancs','Betty','bdancs',860)

insert into [My Employees] values(3,'Biri','Ben','bbiri',1100)

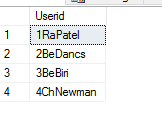
insert into [My Employees] values(4,'Newman','Chad','cnewman',750)

**Output:**



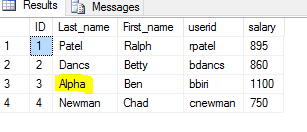
**Task 9: Concatenate ID, first two letters of the FIRST\_NAME and first seven characters of the LAST\_NAME to produce the USERID in employee table**

**Query:**

select convert(varchar,ID)+Substring(first\_name,1,2)+substring(last\_name,1,7) as Userid from [my employees]

**Output:**

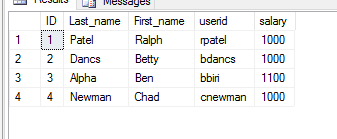
**Task 10: Change the LAST\_NAME of employee 3 to ALPHA**

**Query:**

update [My Employees] set last\_name='Alpha' where id=3

**Output:**

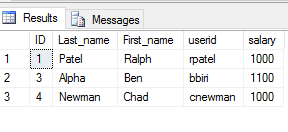
**Task 11: Change the salary to 1000 for all employees with a SALARY less than 900.**

**Query:**

update [My Employees] set salary=1000 where salary<900

**Output:**

**Task 12: Delete Betty Dancs from the My\_Employees Table.**

**Query:**

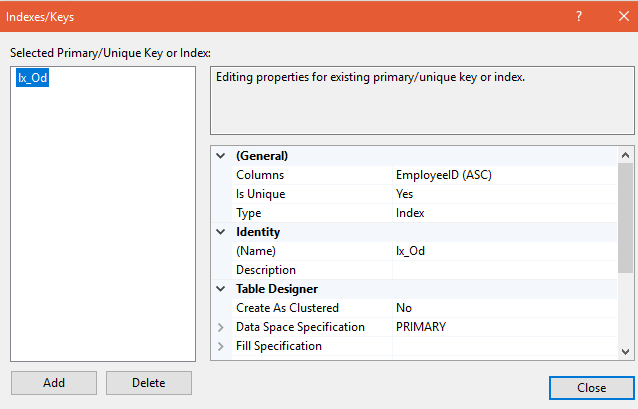
delete from [My Employees] where first\_name='Betty' and last\_name='Dancs'

**Output:**

**Task13:Create a unique index on the order table using EmployeeID (Use Northwind)**

**Query:**

create unique index lx\_Od on dbo.orders(employeeid)

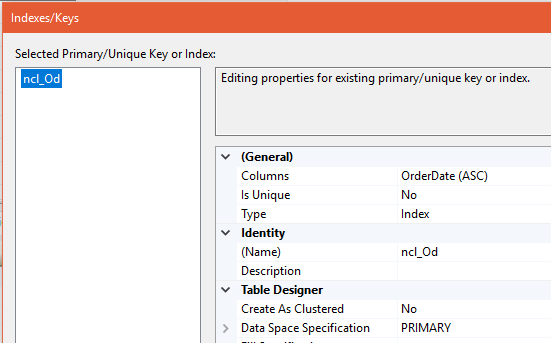
**Output:**

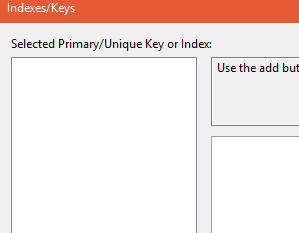
**Task14:Create a non-clustered index on the OrderDate column of the Orders table (Use Northwind)**

**Query:**

create nonclustered index ncl\_Od on Orders(Orderdate)

**Output:**



**Task15: Delete the index you created in Task # 14 (Use Northwind) .**

**Query: Output:**

drop index Orders.lx\_Od

**Task16: Create a clustered index on the region table using regionid (Use Northwind)**

**Query:**

create clustered index ci\_rgn on Region(regionid)

**Output:**

