Assignment - Session 2A

1. Create a table 'Customers with below columns

a. CustomerID → Not NULL, Primary Key, Clustered Index

b. CompanyName → Not NULL

c. ContactName

d. ContactTitle

e. Address

f. City → Non-Clustered Primary Index

g. Region → Non-Clustered Primary Index

h. PostalCode

i. Country

j. Phone

k. Fax

```
CREATE TABLE Customers007(
    CustomerID INT NOT NULL,
    CompanyName VARCHAR(100) NOT NULL,
    ContactName VARCHAR(50),
    ContactTitle VARCHAR(50),
    Address VARCHAR(100),
    City VARCHAR(50) ,
    Region VARCHAR(50),
    PostalCode VARCHAR(20),
    Country VARCHAR(50),
    Phone VARCHAR(20),
    Fax VARCHAR(20)
);

Create Clustered Index Ix_CustomerID On Customers007(CustomerID);
Create NONClustered Index Ix_City_Region On Customers007(City,Region);

execute sp_helpindex Customers007;
```

	index_name	index_description	index_keys
1	Ix_City_Region	nonclustered located on PRIMARY	City, Region
2	Ix_CustomerID	clustered located on PRIMARY	CustomerID

2. Create a table 'Order Details' with below columns

a. OrderID → Not NULL

b. ProductID → Not NULL

c. UnitPrice → Not NULL, money data type

d. Quantity → Not NULL, Check Constraint [Quantity > 0]

e. Discount → Not NULL, Default Constraint [Value = 0]

```
Create Table Order_Details007(
OrderID int Not Null Unique,
ProductID int unique,
Unitprice Money Not Null,
Quantity Int Not Null Check(Quantity>0),
Discount Int Not Null default 0
);
```

3. Add one more column to 'Employees' table – Created_date which should have the

datatype to store date and time. Default value must be current date.

```
alter table employee_data007
add Created_date DateTime Not Null default getdate();
```

4. Modify the length of 'LastName' column from 40 to 50 in 'Employees' table.

```
ALTER TABLE employee_data007
ALTER COLUMN LastName VARCHAR(50);
```

5. Add one column to 'Orders' table as 'Status' default value as active.

```
Alter table Order_Details007
add Status  varchar(10) default 'active';
```

6. Drop below columns from corresponding tables

a. 'Status' from 'Orders' table

```
alter table Order_Details007
drop constraint DF__Order_Det__Statu__36BC0F3B

alter table Order_Details007
drop column Status
```

b. 'Created_date' from 'Employees' table

```
alter table employee_data007
drop constraint DF__employee___Creat__2F1AED73

alter table employee_data007
drop column Created_date
```