

Assignment 1

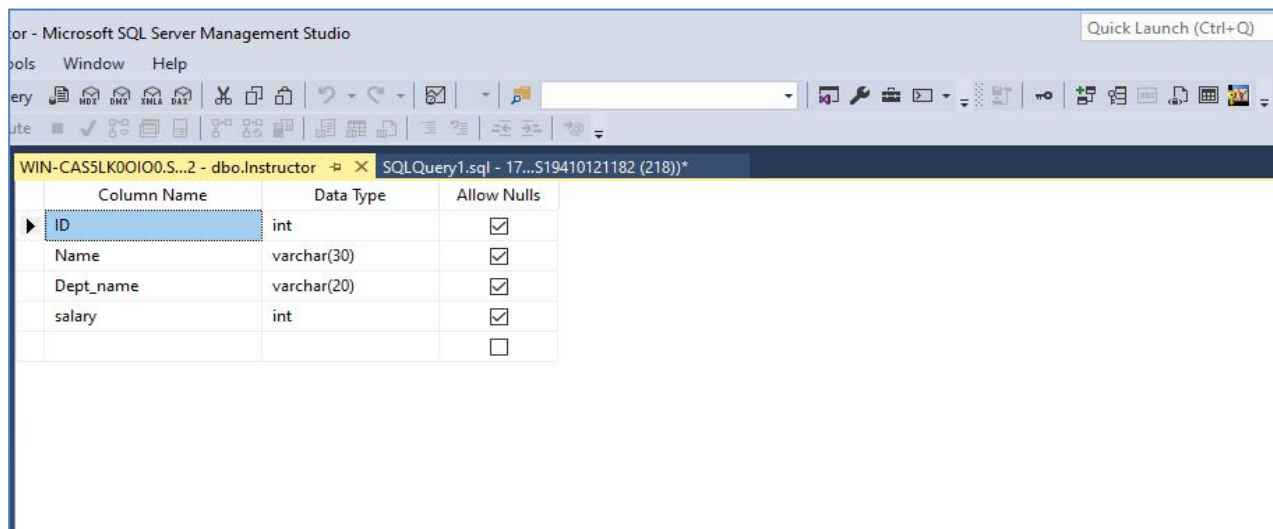
1. Create the following Tables with their respective columns, data types and size.

Table Name	Columns	Datatypes	Size
Instructor	ID	number	5
	Name	varchar	30
	Dept_Name	varchar	20
	Salary	number	6

Query:

```
create table Instructor(ID int, Name varchar(30), Dept_name varchar(20), salary int);
```

Output:



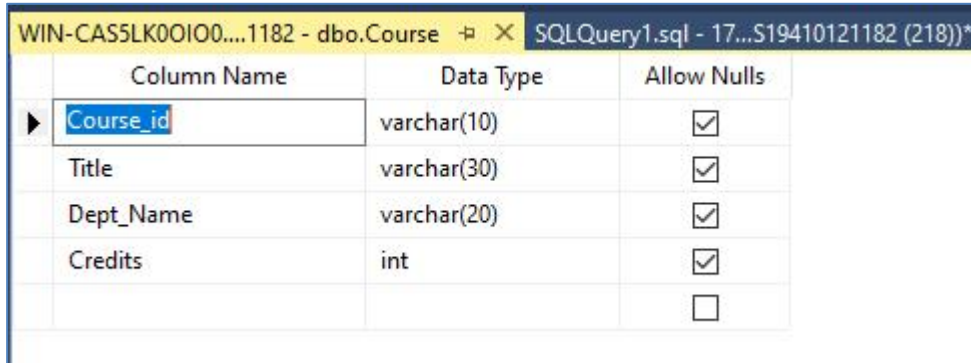
The screenshot shows the 'Table Designer' view in Microsoft SQL Server Management Studio for a table named 'Instructor' in the 'dbo' schema. The table has four columns: 'ID' (int), 'Name' (varchar(30)), 'Dept_name' (varchar(20)), and 'salary' (int). All columns have the 'Allow Nulls' checkbox checked. The interface includes a menu bar (File, Edit, Tools, Window, Help), a toolbar, and a status bar.

Column Name	Data Type	Allow Nulls
ID	int	<input checked="" type="checkbox"/>
Name	varchar(30)	<input checked="" type="checkbox"/>
Dept_name	varchar(20)	<input checked="" type="checkbox"/>
salary	int	<input checked="" type="checkbox"/>

Table Name	Columns	Datatypes	Size
Course	Course_id	Varchar2	10
	Title	Varchar2	30
	Dept_name	Varchar2	20
	Credits	Number	2

Query:

```
create table Course(  
    Course_id varchar(10),  
    Title varchar(30),  
    Dept_Name varchar(20) ,  
    Credits int );
```

Output:

Column Name	Data Type	Allow Nulls
Course_id	varchar(10)	<input checked="" type="checkbox"/>
Title	varchar(30)	<input checked="" type="checkbox"/>
Dept_Name	varchar(20)	<input checked="" type="checkbox"/>
Credits	int	<input checked="" type="checkbox"/>
		<input type="checkbox"/>

Table Name	Columns	Datatypes	Size
Prereq	Course_id	Varchar2	10
	Prereq_id	Varchar2	10

Query:

```
create table Prereq( Course_id varchar(10),Prereq_id varchar(10));
```

Output:

WIN-CAS5LK00IO0.S...1182 - dbo.Prereq			
Column Name	Data Type	Allow Nulls	
Course_id	varchar(10)	<input checked="" type="checkbox"/>	
Prereq_id	varchar(10)	<input checked="" type="checkbox"/>	
		<input type="checkbox"/>	

Table Name	Columns	Datatypes	Size
Department	Dept_name	Varchar2	20
	Building	Varchar2	20
	Budget	Number	10

Query:

```
create table Department( Dept_name varchar(20),Building varchar(20), Budget int);
```

Output:

WIN-CAS5LK00IO0.S...- dbo.Department			
Column Name	Data Type	Allow Nulls	
Dept_name	varchar(20)	<input checked="" type="checkbox"/>	
Building	varchar(20)	<input checked="" type="checkbox"/>	
Budget	int	<input checked="" type="checkbox"/>	
		<input type="checkbox"/>	

Table Name	Columns	Datatypes	Size
Teaches	ID	Number	5
	Course_id	Varchar2	10
	Sec_id	Number	2
	Semester	Varchar2	10
	year	Number	4

Query:

```
create table Teaches(
    ID int,
    course_id varchar(10),
    sec_id int,
    semester varchar(10),
    year int);
```

Output:

WIN-CAS5LK0OIO0.S...182 - dbo.Teaches				WIN-CAS5LK0OIO0.S...- dbo.Depar			
	Column Name	Data Type	Allow Nulls				
▶	ID	int	<input checked="" type="checkbox"/>				
	course_id	varchar(10)	<input checked="" type="checkbox"/>				
	sec_id	int	<input checked="" type="checkbox"/>				
	semester	varchar(10)	<input checked="" type="checkbox"/>				
	year	int	<input checked="" type="checkbox"/>				
			<input type="checkbox"/>				