###### Cairo University

Faculty of Computers and Information

IS221 - Database Systems

SQL Practical Exam -2015

**Question 1: 2.5 Grades**

Write a DDL statement that creates table “doctor” with the following columns and constraints:

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Type** | **Constraint** |
| DoctorID | Int | Primary key |
| DoctorName | Varchar(100) | Not null |
| Specialization | Varchar(10) |  |
| Nationality | Varchar(50) | Default (Egyptian) |
| MobileNumber | Varchar(20) |  |
| BirthDate | Datetime | Less than current date |

create table Doctors

( 0.5 for create statement with the attributes

DoctorID int primary key, 0.5 for primary key constraint

DoctorName varchar(15) Not null, 0.5 for not null constraint

Specialization varchar(30) ,

Nationality varchar(50) Default ('Egyptian'), 0.5 for default constraint

Birthdate datetime check (Birthdate < getDate()), 0.5 for check constraint

MobileNumber varchar(20)

)

**Question 2: 2.5 Grades**

Write an SQL query over Northwind Database toFind Shipper name, order ID and order Date for orders shipped to ‘Berlin’ city.

Solution:

Select dbo.Shippers.CompanyName ,OrderID,OrderDate

0.5 for select with right attributes

from dbo.Shippers inner join Orders

on Orders.ShipVia= dbo.Shippers.ShipperID

1.5 for inner join with right conditions

where ShipCity='Berlin'

0.5 for the filtering condition