CS105.3 - Database Management Systems

Lab Sheet 2

Question 01

1. Create a new database and name it as "OfficeDB".

2. Create a table named, "EmpDetails" in the OfficeDB database with the following relevant fields with their data type.

3. Identify the Primary Key in this table.

Field Name	Data Type
Employee ID	Number
First Name	Short Text
Last Name	Short Text
Email	Short Text
Telephone Number	Number
Hire Date	Date & Time
Salary ($)	Currency
Dependent Availability	Yes/No

4. Insert the following values for the table.

Employee ID	First Name	Last Name	Email	Tel Number	Hire Date	Salary ($)	Dependent Availability
1001	Steven	King	Stking@gmail.com	515123	05/20/1998	1850.25	✓
1002	Lex	Ernst	Lxernst@gmail.com	515456	06/26/1987	2500.00	

5. Create a form named "EmpForm" with all the fields on the EmpDetails table.

6. Insert the new records through a form.

Employee ID	First Name	Last Name	Email	Tel Number	Hire Date	Salary ($)	Dependent Availability
1003	David	Austin	Dvaustin@gmail.com	590423	01/23/1999	2300.50	✓
1004	Diana	Lorentz	dialoren@gmail.com	515416	11/29/2000	1700.50	✓

7. Try to delete a record from the form.

8. Save all the modifications you have done in the table as well as in the form.

9. Create a report based on the EmpDetails table showing all the details of the employees.

10. Name the report as Employee Details.

Question 02

1. Create a database in access as "SupplierDB"

2. Create the following tables in the "SupplierDB" database with suitable datatypes and field sizes.

Table: Supplier

SupplierID	SupplierName	Address	Country
1	Harris	49 Gilbert St	UK
2	Amanda	P.O Box 78934	USA
3	Kelvin	707 Oxford Rd,	USA
4	James	9-8 Sekimal	Japan
5	Johnson	Calle del Rosal 4	Spain

Table: Product

ProductID	ProductName	SupplierID	CategoryID	Price ($)
1001	Chais	1	1	18
1002	Chang	1	1	19
1003	Annissed	2	5	89
1004	Queso Cabrales	3	7	50
1005	Northwoods Sauce	3	4	23
1006	Cajun seasoning	5	3	65

3. Identify the foreign key and create a relationship between two tables.

Question 03

Read the scenario given below and identify the Database, Tables, attributes and create the database using Microsoft access.

A sales database keeps tracks of customers and order details. Each customer has a customer ID, Customer name, city, and country. Each customer can have multiple orders. orders consist with an Order ID and Order date.

Consider the following details when creating the tables.

• CustomerID: 1001 ,1002, 1003,1004,1005

• CustomerName: John, Alicia, James, Smith, Ann

• City: Berlin, London, New York, Paris, Mexico D.F

• Country: Germany, England, America, France, Mexico

• OrderID: 10621, 10622, 10623 ,10624, 10625

• OrderDate: 10/12/2020, 12/08/2020, 25/07/2020, 04/05/2020, 06/09/2020