CS105.3 - Database Management Systems

Lab Sheet 1

Question 01

1. Create the following database in Microsoft access.

   Database: CompanyDB

2. Create following tables in CompanyDB.

   a. Create the following Employee table using suitable data types and field sizes.

   Primary key: EmpID

EmpID	Fname	Lname	Birthdate	DeptID
1001	John	Smith	1965-02-25	D1
1002	Franklin	Wong	1956-12-14	D1
1003	Alicia	Borg	1968-06-23	D3
1004	Ann	Jabbar	1985-05-06	D2
1005	James	Wallace	1988-06-25	D3

   b. Create the following Department table using suitable data types and field sizes.
   Primary key: DeptID

DeptID	DeptName
D1	Head Quarters
D2	Administration
D3	IT

   c. Identify the foreign key.

   d. Generate a relationship between above two tables.

Question 02

1. Create a database: **UniversityDB**

2. Create below 2 tables by identifying the primary keys.

Table Name: Student

StudentID	StudentName	Sex	DegID
1001	John	M	D1
1002	Franklin	F	D1
1003	James	M	D3
1004	Shanta	M	D2
1005	Ann	F	D4

Table Name: Degree

DegreeID	DegName	University
D1	Bsc in software engineering	Plymouth
D2	Bsc in computer security	UCD
D3	Bsc in computer network	UGC
D4	Bsc in marketing	VU
D5	Bsc in project management	Plymouth

3. Generate a relationship between above 2 tables by identifying the foreign key.