

Exercise 2

Blood Donor Database

1) Create Following Tables

8 marks

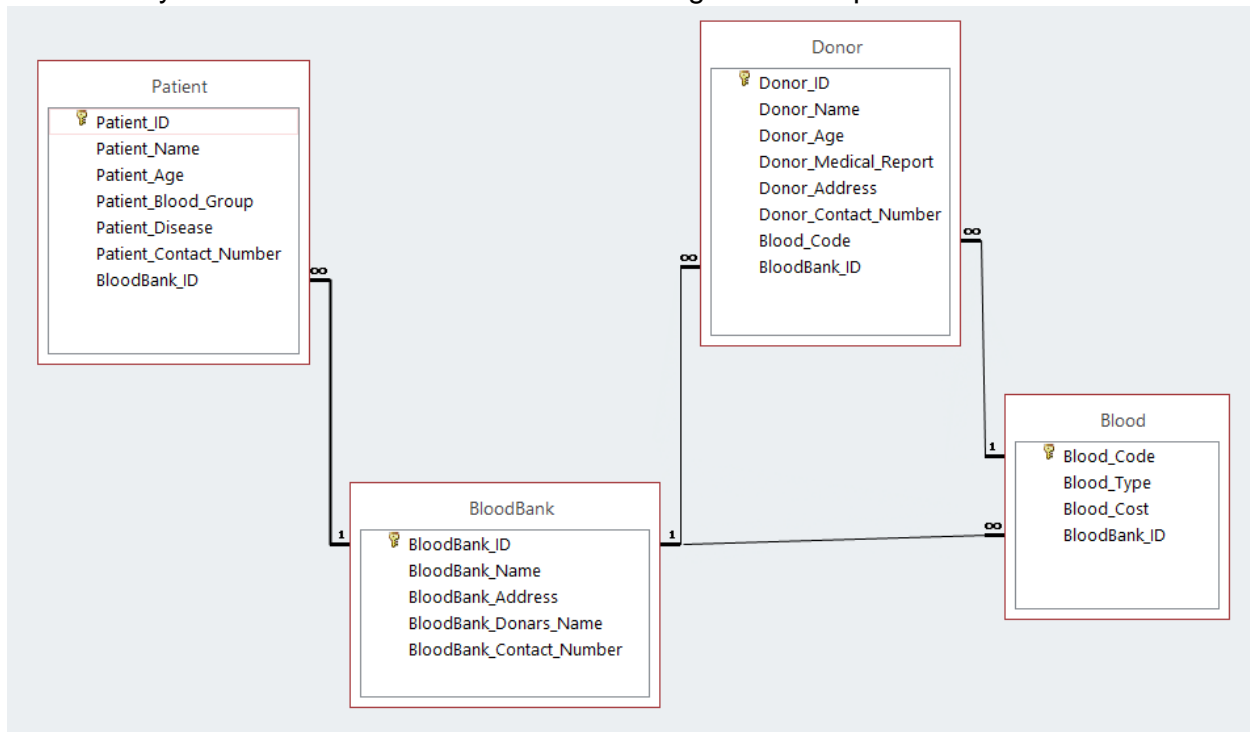
Blood			
Blood_Code	Blood_Type	Blood_Cost	BloodBank_ID
2568	B+	75	2
2584	A+	50	5
3548	O+	70	2
6845	O	80	1
8764	B+	60	3

BloodBank				
BloodBank_ID	BloodBank_Name	BloodBank_Address	BloodBank_Donars_Name	BloodBank_Contact_Number
1	BloodSource	USA	John	(831) 758-7381
2	Delta Blood Bank	USA	Peter	(831) 758-7201
3	Bonfils Blood Center	USA	William	(831) 758-7334
4	The Blood Alliance	USA	Michal	(831) 758-7233
5	Blood Assurance	USA	Clark	(831) 758-7435

Donor							
Donor_ID	Donor_Name	Donor_Age	Donor_Medical_Report	Donor_Address	Donor_Contact_Number	Blood_Code	BloodBank_ID
1	SMITH	22	+ve	7105 Plover Circle	(254) 985-8964	6845	3
2	BROWN	17	+ve	1022 Bridges Dr	(235) 858-7201	6845	2
3	JONES	19	+ve	1201 Forum Way	(241) 578-8501	2584	1
4	Calgary	20	-ve	412 Hillview Dr	(245) 854-7541	3548	4
5	Arizona	29	+ve	1120 Oakbend	(124) 858-7201	6845	5

Patient						
Patient_ID	Patient_Name	Patient_Age	Patient_Blood_Group	Patient_Disease	Patient_Contact_Number	BloodBank_ID
1	Messy	25	B	Carcinoma	(738) 758-7201	2
2	Hook	22	A+	Blastoma	(631) 658-7251	3
3	Russy	25	O	Lymphoma	(881) 787-3801	5
4	Johnson	20	B-	Benign tumors	(331) 858-7201	3
5	Williamson	25	O+	Lymphoma	(839) 358-9781	1

Make sure your database should have the following relationships



2) Queries

10 marks

1. List down all the information of William and Clark in the blood bank.
2. Find out all the donor information except blood bank id whose medical report is –ve.
3. List down patient id, name, age having Lymphoma and blood bank id 3.
4. Show the patient info having age 20 and blood bank id 3.
5. Find out the patient disease and contact number with the blood group B or B-.