

What is sql

SQL: structure query language

- Structured Query Language (SQL) is a powerful and standardized programming language designed for managing and manipulating relational databases. It serves as a bridge between the user and the database, allowing users to define, retrieve, update, and manipulate data. SQL operates on the principle of a relational database, organizing information into tables comprised of rows and columns.
- > It exist segeries against data base
- > Sql can insert ,update , delete from data base...
- > Sql can create stored procedure data base



PROJECT TITLE :

BLOOD_DONATION_MANAGEMENT

Blood Donor Management System is an associate work that brings voluntary blood donors and those in need of blood to an emergency. The purpose of this paper is to develop a mobile application that will help the seekers to identify the blood donors near their location.

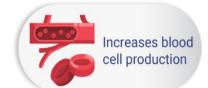
Welcome to my presentation on BLOOD DONATION Database Management System. We will explore SQL and the crucial role of database management.



BENEFITS OF BLOOD DONATION

BENEFITS OF DONATING BLOOD





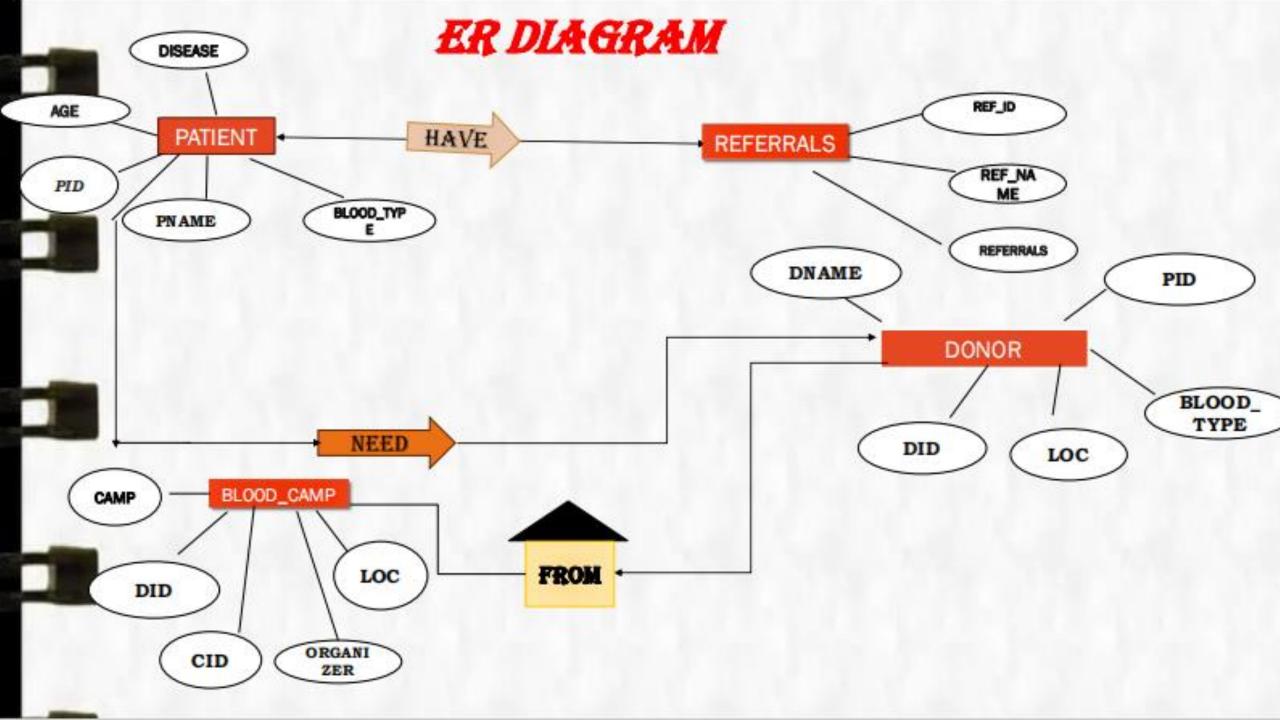




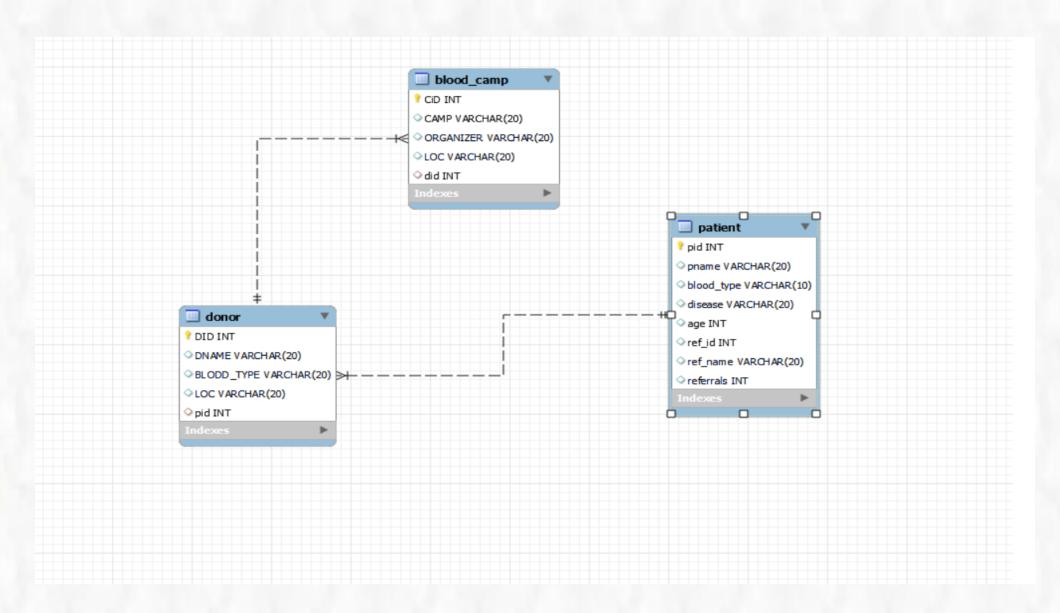
Medical researchers also need donated blood in order to develop and test new treatments for many medical conditions – such as blood clots, heart attack, stroke and cancer.

8 Health Benefits of Donating Blood

- •May reveal health problems. ...
- •Prevents Hemochromatosis. ...
- •Blood donation is beneficial in lowering excess iron in the body, which can reduce the risk of a heart attack. ...
- •May reduce the risk of developing cancer. ...
- •Stimulates blood cell production. ...
- •Maintains healthy liver. ...
- •Weight loss.



ER DIAGRAM





PATIENT

PID
PNAME
BLOOD_TYPE
DISEASE
AGE
REF_ID
REF_NAME
REFERRALS

DONOR

DID
DNAME
BLOOD_TYPE
LOC
PID

BLOOD_CAMP

CID ORGANIZER CAMP LOC DID

QUERIES

1. WAQTD all the details of the patient?

select * from patient;

	pid	pname	blood_type	disease	age	ref_id	ref_name	referrals
•	1	victor	b+ve	cancer	32	7369	bala	7902
	2	parker	b+ve	cancer	30	7499	mugun	7698
	3	smith	a+ve	cholera	28	7521	minu	7698
	4	john	b+ve	jaundice	35	7566	suba	7839
	5	mike	o+ve	chickenpx	29	7654	hari	7698
	6	robin	a+ve	small pox	33	7698	vivek	7839
	7	leo	ab+ve	cholera	31	7782	velu	7839
	8	mugen	o+ve	cancer	25	7788	priya	7566
	9	antony	a+ve	tuberculosis	33	7839	adams	7698
	10	joseph	o+ve	jaundice	40	7844	jp	7788
	11	dass	ab+ve	malaria	36	7876	vino	7698
	12	lawrence	a+ve	diptheria	30	7900	mani	7566
	13	amar	o+ve	malaria	22	7902	ragu	7782
	NULL	NULL	HULL	HULL	NULL	NULL	HULL	HULL
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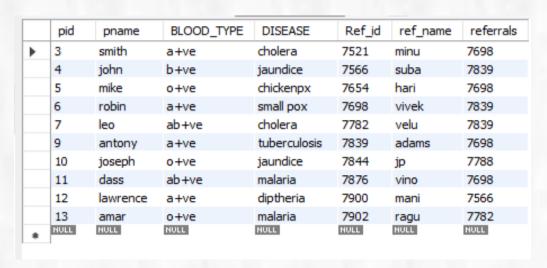
2. WQTD THE NAMES OF THE PATIENT WHO ARE IN B+VE?

select pname from patient where blood_type='b+ve';



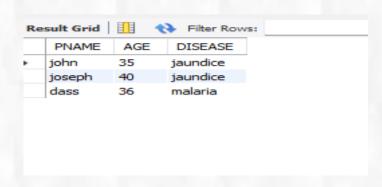
3. WAQTD THE PATIENT id, NAMES, BLOOD GROUP, AGE, REFERRAL ID, REFFERAL NAME, BLOOD ID, DISEASE BUT EXCEPT AFFECTED BY CANCER?

select pid, pname, BLOOD_TYPE, DISEASE, Ref_id, ref_name, REFERRALS from patient where DISEASE not in ('cancer');



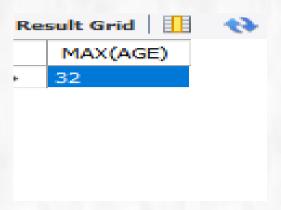
4. WAQATD PATIENT NAMES, AGE, DISEASE IF PATIENT ARE IN AGE RANGE 35 TO 40?

SELECT PNAME, AGE, DISEASE FROM PATIENT WHERE AGE BETWEEN 35 AND 40;



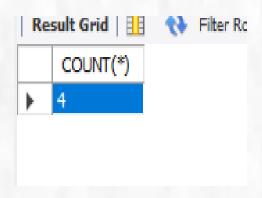
5. WAQTD THE MAXIMUM AGE OF PATIENT IN B+VE AND AFFECTED CANCER?

SELECT MAX(AGE) FROM PATIENT WHERE BLOOD_TYPE='B+VE' AND DISEASE='CANCER';



6.WAQTD THE NUMBER OF PATIENTS IN O+VE?

SELECT COUNT(*) FROM PATIENT WHERE BLOOD_TYPE='O+VE';



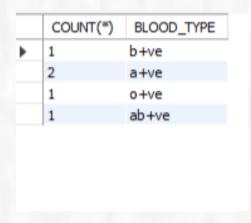
7. WAQTD THE MAXIMUM AND MINIMUM DISEASES WHOSE NAME HAVING CHAR 'R'?

SELECT max(DISEASE), MIN(DISEASE) FROM PATIENT WHERE PNAME LIKE '%R%';



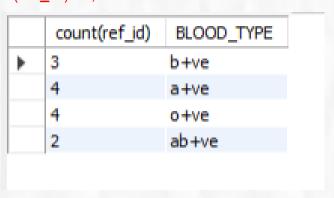
8. WAQTD THE NUMBER OF PATIENTS IN BLOOD ID 7698 IN EACH BLOODTYPE?

SELECT COUNT(*),BLOOD_TYPE FROM PATIENT WHERE REFERRALS=7698 GROUP BY BLOOD_TYPE;



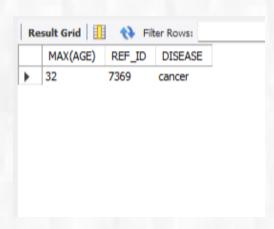
9. WAQTD THE BLOODTYPE AND NUMER OF REF_ID IN EACH BLOOD_TYPE IF THE REFERENCE ID IS REPEATED?

SELECT count(ref_id), BLOOD_TYPE FROM PATIENT GROUP BY BLOOD_TYPE HAVING count(ref_id)>1;



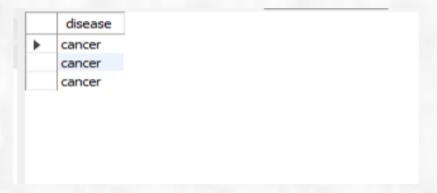
10. WAQTD THE MAXIMUM AGE ,REFERENCE ID AND DISEASE IN EACH REFERENCE ID AND AFFECTED BY CANCER IF AGE IS EXCEEDS 30?

SELECT MAX(AGE), REF_ID, DISEASE FROM PATIENT WHERE DISEASE='CANCER' GROUP by REF_ID HAVING MAX(AGE)>30;



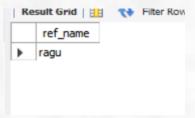
11. WQATD THE DISEASE SAME AS AFFECTED BY VICTOR?

select disease from patient where disease=(select disease from patient where pname='victor');



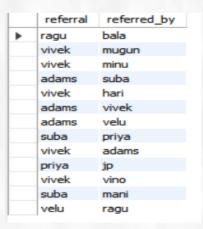
12. waqtd the referrals of bala?

select ref_name from patient where ref_id=(select referrals from patient
where ref_name = 'bala');



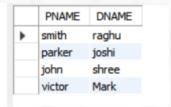
13. WAQTD THE REFERRAL NAME AND WHO WERE REFFERRED BY WHOM?

select p1.ref_name as referral, p2.ref_name as referred_by from patient p1, patient p2 where p1.ref_id=p2.referrals;



14. WAQTD THE PATIENT NAME AND DONOR NAMES?

SELECT PNAME, DNAME FROM PATIENT INNER JOIN DONOR ON PATIENT.PID=DONOR.PID;



15. WAQTD THE PATIENT NAME AND DONOR NAME EVEN THE PATIENT HAS NO DONOR?

SELECT PNAME, DNAME FROM PATIENT LEFT JOIN DONOR ON PATIENT.PID=DONOR.PID;

