

QUESTION ONE (1)

A newly opened hospital whose records are kept in spreadsheet now needs a database to transfer the current records and also store future records. Write a MySQL file (.SQL) with queries to:

A. Create the database with the current records as below:

Patients							
No	Name	Age	Department	Date_of_adm	Charges	Sex	
1	Marc Short	23	Surgery	23/02/24	0.00	M	
2	Ismael Meyer	33	Orthopedic	20/02/24	0.00	M	
3	Brooks Cochran	13	Orthopedic	21/02/24	0.00	M	
4	Kylie Peck	14	Surgery	28/02/24	0.00	F	
5	Jayda Weiss	12	ENT	23/02/24	0.00	F	
6	Bria Leonard	67	ENT	23/02/24	0.00	F	
7	Josie Stokes	89	Cardiology	1/2/2024	0.00	F	
8	Alaina Dean	54	Gynecology	3/2/2024	0.00	F	
9	Finnegan Rush	91	Cardiology	24/02/24	0.00	M	
Doctors							
No	Name	Age	Department	Phone_Number	Salary	Sex	
1	Violet Reed	44	Surgery	Null	0.00	F	
2	Audrey White	33	Orthopedic	Null	0.00	F	
3	Eli White	28	Orthopedic	Null	0.00	M	
4	Owen Lopez	56	Surgery	Null	0.00	M	
5	Roman Diaz	35	ENT	Null	0.00	M	
6	Angel Gomez	52	ENT	Null	0.00	F	
7	Adrian Perez	36	Cardiology	Null	0.00	F	
8	Michael Roberts	54	Gynecology	Null	0.00	M	
9	Ariana Clark	25	Cardiology	Null	0.00	F	

B. I) Show all information about the patients of "cardiology department"

II) List names of all patients with their date of admission in ascending order

III) Display patients' Names, Charges, Ages for male patient's only

IV) Count the number of patients with Age greater than 20

V) Add three (3) new patients to the database

C. I) Update charges with values for each department as:

Department	Charges
Surgery	3500
Orthopedic	2300
ENT	1500
Cardiology	2900
Gynecology	800

II) If the salary of doctors is 3 times the charges of each corresponding charges, update doctors' salary

D. I)

- Add a table called Expenditure to the Hospital's database with Fields: ID, EXPENSES, EXPENSETYPE, COST_PER_MONTH, AMOUNT_PAID, DEBT, LAST_UPDATED
- EXPENSE_TYPE should have a default value "Null" (e.g. "Utility" as EXPENSE_TYPE)
- Amount Paid should have a default value 0.00
- DEBT should be the difference between COST_PER_MONTH and AMOUNT_PAID
- LAST_UPDATED (Timestamp datatype) should have the current date and time as default value

II) Insert data into the table and find the total expenditure cost, total amount paid and total debt.

E. From the Doctors Table, show average, maximum and minimum salary.