

Practice Task Of Database

DAY 1 : Create , Insert , Alter

S.No	TASK	Coordinator Sign.																																										
1.	<p>Create a table named PatientDetail in HospitalDB database with following columns.</p> <table><tr><td>SR.</td><td>NAME</td><td>ADDRESS</td><td>MOBNO</td><td>ENTRY_DATE</td><td>DISCHARGE_DATE</td><td>DOCTOR</td></tr></table> <p>Where SR is integer and primary key and auto_increment. NAME Should contain string type value, Address contain string type value, MOBNO Should contain string type value, Entry_date should contain date type value, Discharge_date should contain date type value, Doctor should contain string type value.</p>	SR.	NAME	ADDRESS	MOBNO	ENTRY_DATE	DISCHARGE_DATE	DOCTOR																																				
SR.	NAME	ADDRESS	MOBNO	ENTRY_DATE	DISCHARGE_DATE	DOCTOR																																						
2.	<p>Insert Some Rows in PatientDetail Table as given below.</p> <table><tr><td>SR.</td><td>NAME</td><td>ADDRESS</td><td>MOBNO</td><td>ENTRY_DATE</td><td>DISCHARGE_DATE</td><td>DOCTOR</td></tr><tr><td>1</td><td>RAM</td><td>Vikas Nagar Lucknow</td><td>8987766554</td><td>01-07-2021</td><td>01-07-2022</td><td>DR. Prince</td></tr><tr><td>2</td><td>SHIVAM</td><td>Cant Varanasi</td><td>NULL</td><td>01-07-2021</td><td>01-07-2022</td><td>DR. Prince</td></tr><tr><td>3</td><td>ANURAG</td><td>Mahanagar Lucknow</td><td>8900766554</td><td>01-07-2021</td><td>01-07-2022</td><td>Dr. Meera</td></tr><tr><td>4</td><td>MAHESH</td><td>GomtiNagar Lucknow</td><td>7987766554</td><td>01-07-2021</td><td>01-07-2022</td><td>DR. Prince</td></tr><tr><td>5</td><td>VIKAS</td><td>Patna</td><td>8897766554</td><td>01-07-2021</td><td>01-07-2022</td><td>Dr. Meera</td></tr></table>	SR.	NAME	ADDRESS	MOBNO	ENTRY_DATE	DISCHARGE_DATE	DOCTOR	1	RAM	Vikas Nagar Lucknow	8987766554	01-07-2021	01-07-2022	DR. Prince	2	SHIVAM	Cant Varanasi	NULL	01-07-2021	01-07-2022	DR. Prince	3	ANURAG	Mahanagar Lucknow	8900766554	01-07-2021	01-07-2022	Dr. Meera	4	MAHESH	GomtiNagar Lucknow	7987766554	01-07-2021	01-07-2022	DR. Prince	5	VIKAS	Patna	8897766554	01-07-2021	01-07-2022	Dr. Meera	
SR.	NAME	ADDRESS	MOBNO	ENTRY_DATE	DISCHARGE_DATE	DOCTOR																																						
1	RAM	Vikas Nagar Lucknow	8987766554	01-07-2021	01-07-2022	DR. Prince																																						
2	SHIVAM	Cant Varanasi	NULL	01-07-2021	01-07-2022	DR. Prince																																						
3	ANURAG	Mahanagar Lucknow	8900766554	01-07-2021	01-07-2022	Dr. Meera																																						
4	MAHESH	GomtiNagar Lucknow	7987766554	01-07-2021	01-07-2022	DR. Prince																																						
5	VIKAS	Patna	8897766554	01-07-2021	01-07-2022	Dr. Meera																																						
3.	<p>Create a new table named productdetails in HospitalDB with following fields.</p> <table><tr><td>SR</td><td>Product_name</td><td>Total</td><td>MRP</td><td>Salerate</td><td>Entrydate</td></tr></table> <p>Where SR is integer and primary key and auto_increment. Product_name Should contain string type value, Total contain integer type value, MRP should contain integer type value, Salerate should contain integer type value, Entrydate should contain date type value.</p>	SR	Product_name	Total	MRP	Salerate	Entrydate																																					
SR	Product_name	Total	MRP	Salerate	Entrydate																																							

4.

Insert Some Rows in productdetails Table as given below.

SR	Product_name	Total	MRP	Salerate	Entrydate
1	Hospital Beds	3	2000	1500	2021-09-01
2	Trolley	2	3000	2500	2021-09-01
3	Injection	1	200	150	2021-09-01
4	Trolley	4	2000	1500	2021-08-01
5	Dust Bin	2	100	50	2021-08-01
6	Injection	6	300	250	2021-09-10

5.

SR	Product_name	Total	MRP	Salerate	Entrydate
1	Hospital Beds	3	2000	1500	2021-09-01
2	Trolley	2	3000	2500	2021-09-01
3	Injection	1	200	150	2021-09-01
4	Trolley	4	2000	1500	2021-08-01
5	Dust Bin	2	100	50	2021-08-01
6	Injection	6	300	250	2021-09-10

Note: You have already created this table. Write down some SQL Query to given questions.

1. Write a SQL statement change the data type of the column MRP to string in the table **productdetails**.
2. Write a SQL Statement to change columns name **salerate** to **saleprice**.
3. Write a SQL statement to rename the table **productdetails** to **product**.
4. Write a SQL query to delete column Total from **productdetails** table.
5. Write a SQL query to add a new column named “Brand” of string type to “**productdetails**” Table.

DAY 2 : SELECT ,Delete

2.1

Write a SQL Query to the given questions.

SR	Product_name	Total	MRP	Salerate	Entrydate
1	Hospital Beds	3	2000	1500	2021-09-01
2	Trolley	2	3000	2500	2021-09-01
3	Injection	1	200	150	2021-09-01
4	Trolley	4	2000	1500	2021-08-01
5	Dust Bin	2	100	50	2021-08-01
6	Injection	6	300	250	2021-09-10

Note: Table Name (productdeatils)

1. Select Name, MRP of product which have highest MRP.
2. Select total MRP rate of injections.
3. Select total MRP rate of Trolley purchased in September month.
4. Select average price of trolley according to sale rate.
5. Select Name, MRP of product which have lowest MRP.
6. Calculate how many Trolley present in the hospital.

2.2

Write a SQL Query to the given questions.

SR.	NAME	ADDRESS	MOBNO	ENTRY_DATE	DISCHARGE_DATE	DOCTOR
1	RAM	Vikas Nagar Lucknow	8987766554	01-07-2021	01-07-2022	DR. Prince
2	SHIVAM	Cant Varanasi	NULL	01-07-2021	01-07-2022	DR. Prince
3	ANURAG	Mahanagar Lucknow	8900766554	01-07-2021	01-07-2022	Dr. Meera
4	MAHESH	GomtiNagar Lucknow	7987766554	01-07-2021	01-07-2022	DR. Prince
5	VIKAS	Patna	8897766554	01-07-2021	01-07-2022	Dr. Meera
6	MITA	Vikas Nagar Lucknow	8987766554	2021-07-03	NULL	Dr. Prince
7	GITA	NULL	9080766554	2020-01-03	2020-01-31	Dr. Meera
8	SIYA	Lucknow	9876655443	2021-04-02	2021-04-12	Dr. Prince
9	RIYA	Patna	7889766554	2021-08-05	2021-08-15	Dr. Shikha
10	Sandeep	NULL	NULL	2021-05-05	2021-05-15	Dr. Rajendra
11	Mukul	Patna	NULL	2021-09-01	2021-09-06	Dr. Prince

12	Mukesh	BHU Varanasi	765434566 7	2021-10- 23	2021-10- 31	Dr. Shikha
----	--------	-----------------	----------------	----------------	----------------	------------

Note :Table Name (**PatientDetail**)

1. Select list of patient whose name starts from S.
2. Select details of patient who admitted in September month.
3. Select details of patient whose mobno starts from 7.
4. Select list of patient who is admitted in under of Dr. Prince.
5. Select name, address of those patient who belong to Lucknow city.
6. Select all detail of patient whose city is Patna and doctor is DR. Prince.
7. Select all patients of Patna and Lucknow.
8. Select all patient list who belongs to Patna and admitted in September month.
9. Delete all patient details of Dr. Prince from table.

2.3

Create a table as given below and insert data as described below.

EMPLOYEE_ID	FIRST_NAME	HIRE_DATE	JOB_ID	SALARY
100	Siya	2012-06-06	IT_PROG	50000
101	Satyam	2017-08-09	SOFT_PROG	20000
102	Saurabh	2019-09-15	IT_PROG	100000
103	Seema	2012-06-06	IT_PROG	80000
104	Shivam	2019-08-15	IT_PROG	200000
105	Sandhya	null	SOFT_PROG	100000
106	Shakshi	2021-09-25	SOFT_PROG	200000
107	Shilpa	null	SOFT_PROG	60000
108	Shubham	2019-08-15	IT_PROG	33000

NOTE:- EMPLOYEE_ID is integer and primary key and auto_increment.

FIRST_NAME Should contain string type value,

HIRE_DATE contain date type value,

JOB_ID should contain string type value,

SALARY should contain integer type value.

1. Select record of employee who earns more than 40000.
2. Show name and job_id of those employees who joined company before 2018-01-01.
3. Show all record of employee whose job_id IT_PROG and salary is greater than 100000.
4. Select all record of employee whose JOB_ID is either IT_PROG or who joined

- company after 2017-01-01.
5. Select record of employee whose salary is under 20000-100000.
 6. Select all employee details whose name starts with 'Sh'.
 7. Select number of employee whose HIRE_DATE is null.
 8. Delete record of employee whose salary is less than 33000.
 9. Delete all record of employee whose JOB_ID is either IT_PROG or who joined company after 2017-01-01.
 10. Delete record of employee whose salary is belongs to 20000-60000 or HIRE_DATE is null.

DAY 3 : Update, Drop, Truncate, Rename

3.1

employee_ID	first_name	last_name	department	salary
123	James	Smith	Accounting	80000
234	Robert	Johnson	Sales	100000
345	Mary	Williams	Marketing	90000
456	Jon	Lee	Sales	120000
567	Patricia	Spade	Marketing	110000

Note : Table Name (Employee)

1. Update all employee salary is equals to 50000 whose salary is less than 100000.
2. Write a SQL Query to rename Employee table to Employees_Details.
3. Write down SQL Query to truncate all records.
4. Write down SQL Query to drop table Employee.
5. Update all employee department whose first_name starts with J.

3.2

Customer_Details

Customer_id	Name	Address	Age
1	Billie	NY	22
2	Eilish	London	19
3	Ariana	Miami	18
4	Selena	New Jersey	32
5	Kety	Hawaii	42
6	Adele	Miami	29

Note : Table Name (Customer_Details)

1. Write a SQL Query to change table name Customer_Details to new table(Customer) .
2. Write a syntax to update name whose belongs to London and Customer Age Between 18-20.
3. How to all row delete at a time write a syntax.
4. Write a syntax to drop table Customer_Details.