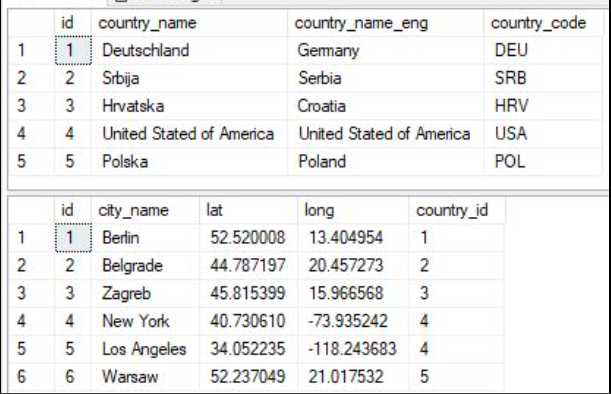
**Practice Task Of Database**

|  |  |  |
| --- | --- | --- |
| **DAY 1 : Create , Insert , Alter** | | |
| **S.No** | **TASK** | **Coordinator Sign.** |
| 1. | **Create a table named PatientDetail in HospitalDB database with following columns.**   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | SR. | NAME | ADDRESS | MOBNO | ENTRY\_DATE | DISCHARG\_DATE | DOCTOR |   Where SR is integer and primary key and auto\_increement.  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.  create database hospitalDB;  use hospitalDB  create table patientDetail(  Sr int primary key identity(1,1),  NAME varchar(60),  ADDRESS varchar(70),  MOBNO bigint,  ENTRY\_DATE DATE,  DISCHARGE\_DATE DATE,  Doctor varchar(50)  );  insert into patientDetail values('RAM','Vikas Nagar Lucknow ',8987766554,'01-07-2021','01-07-2022','DR. Prince'),  ('SHIVAM','Cant Varanasi',NULL,'01-07-2021','01-07-2022','DR. Prince'),  ('ANURAG','Mahanagar Lucknow',8900766554,'01-07-2021','01-07-2022','Dr. Meera'),  ('MAHESH','GomtiNagar Lucknow',7987766554,'01-07-2021','01-07-2022','DR. Prince'),  ('VIKAS','Patna',8897766554,'01-07-2021','01-07-2022','Dr. Meera'); |  |
| 2. | **Insert Some Rows in PatientDetail Table as given below.**   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **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. | **Create a new table named productdetails in HospitalDB with following fields.**   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | SR | Product\_name | Total | MRP | Salerate | Entrydate |   Where SR is integer and primary key and auto\_increement.  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.  create table productdetails(  1. SR int primary key identity(1,1),  2. Product\_name varchar(50),  3. Total int,  4. MRP int,  5. Salerate int,  6. Entrydate date  7. ); |  |
| 4. | **Insert Some Rows in productdetails Table as given below.**   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **SR** | **Product\_name** | **Total** | **MRP** | **Salerate** | **Entrydate** | | 1 | [Hospital Beds](https://www.narang.com/hospital-medical-furniture/hospital-beds-icu/index.php) | 3 | 2000 | 1500 | 2021-09-01 | | 2 | [Trolley](https://www.narang.com/hospital-medical-furniture/trolley/index.php) | 2 | 3000 | 2500 | 2021-09-01 | | 3 | Injection | 1 | 200 | 150 | 2021-09-01 | | 4 | [Trolley](https://www.narang.com/hospital-medical-furniture/trolley/index.php) | 4 | 2000 | 1500 | 2021-08-01 | | 5 | [Dust Bin](https://www.narang.com/hospital-medical-furniture/dust-bin-foot-operated/index.php) | 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](https://www.narang.com/hospital-medical-furniture/hospital-beds-icu/index.php) | 3 | 2000 | 1500 | 2021-09-01 | | 2 | [Trolley](https://www.narang.com/hospital-medical-furniture/trolley/index.php) | 2 | 3000 | 2500 | 2021-09-01 | | 3 | Injection | 1 | 200 | 150 | 2021-09-01 | | 4 | [Trolley](https://www.narang.com/hospital-medical-furniture/trolley/index.php) | 4 | 2000 | 1500 | 2021-08-01 | | 5 | [Dust Bin](https://www.narang.com/hospital-medical-furniture/dust-bin-foot-operated/index.php) | 2 | 100 | 50 | 2021-08-01 | | 6 | Injection | 6 | 300 | 250 | 2021-09-10 |   insert into productdetails values('Hospital Beds',3,2000,1500,'2021-09-01'),  ('Trolley',2,3000,2500,'2021-09-01'),  ('Injection',1,200,150,'2021-09-01'),  ('Trolley',4,2000,1500,'2021-08-01'),  ('Dust Bin',2,100,50,'2021-08-01'),  ('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](https://www.narang.com/hospital-medical-furniture/hospital-beds-icu/index.php) | 3 | 2000 | 1500 | 2021-09-01 | | 2 | [Trolley](https://www.narang.com/hospital-medical-furniture/trolley/index.php) | 2 | 3000 | 2500 | 2021-09-01 | | 3 | Injection | 1 | 200 | 150 | 2021-09-01 | | 4 | [Trolley](https://www.narang.com/hospital-medical-furniture/trolley/index.php) | 4 | 2000 | 1500 | 2021-08-01 | | 5 | [Dust Bin](https://www.narang.com/hospital-medical-furniture/dust-bin-foot-operated/index.php) | 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 | 7654345667 | 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\_increement.  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 | SQL Query Interview Questions  **Note : Table Name (Employee)**   1. Update all employee salary is equals to 50000 whose salary is less than 100000.      1. Write a SQL Query to rename Employee table to Employees\_Details. 2. Write down SQL Query to truncate all records. 3. Write down SQL Query to drop table Employee. 4. Update all employee department whose first\_name starts with J. |  |
| 3.2 | **Note : Table Name (Customer\_Details)**   1. Write a SQL Query to change table name Customer\_Details to new table(Customer) .      1. Write a syntax to update name whose belongs to London and Customer Age Between 18-20. 2. How to all row delete at a time write a syntax. 3. Write a syntax to drop table Customer\_Details. |  |

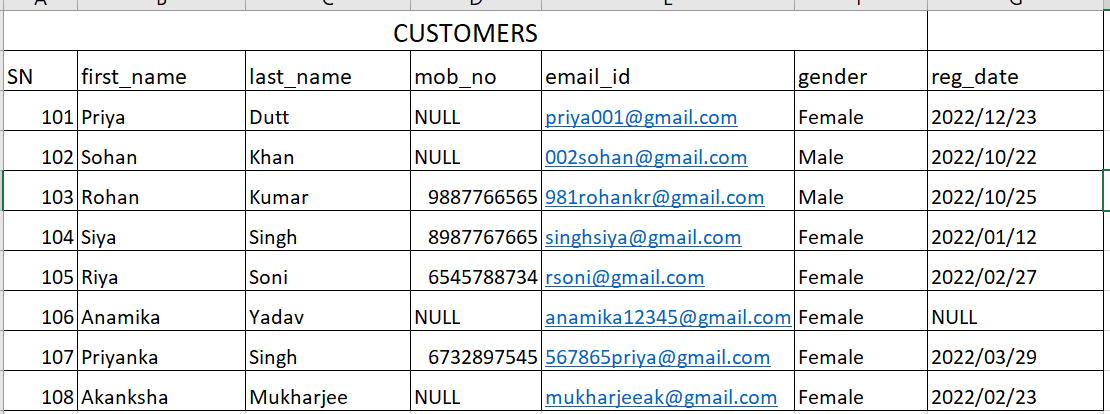
Create 2 Tables named tbl\_Country and tbl\_city with following data

Create a table as given below

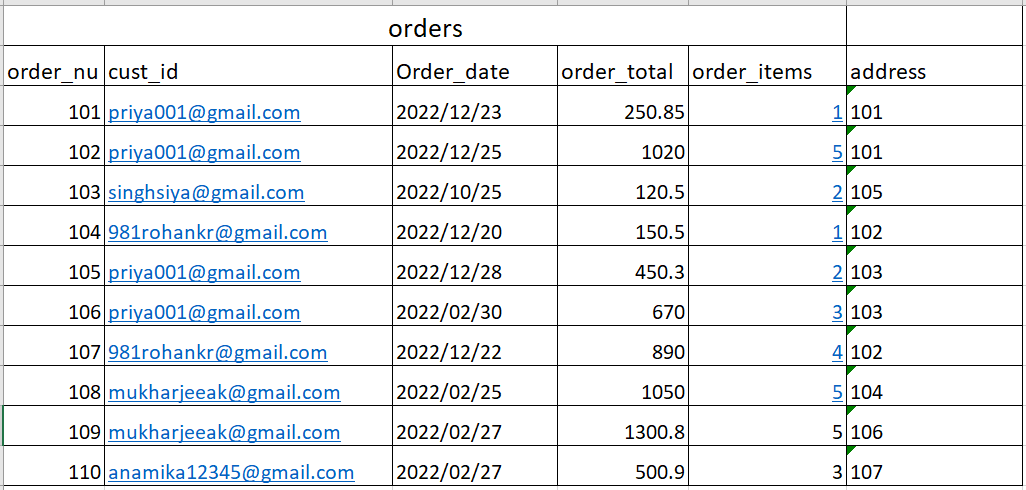
SN is integer and Auto increment

First\_name and last\_name is NOT NULL Type

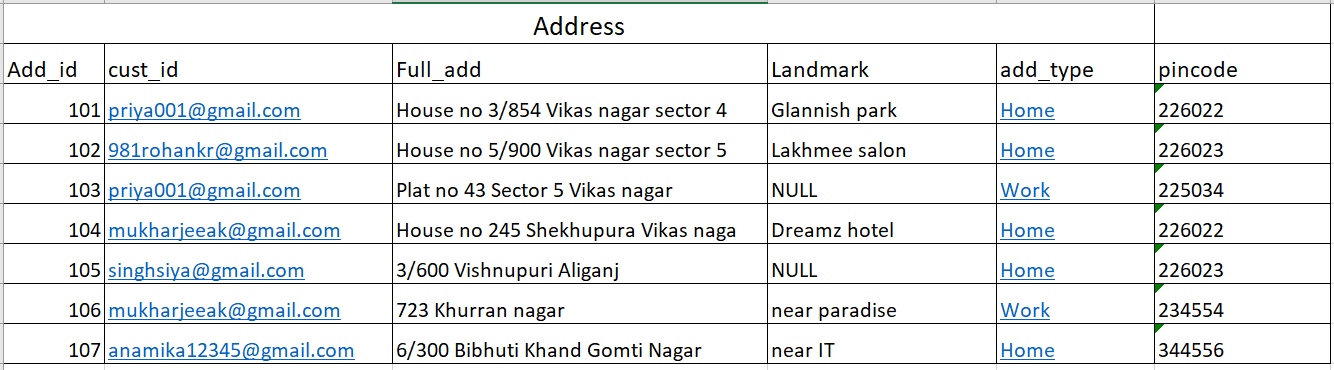
Email id is primary key



Create a table named Order



Create a table named address



1. Select all record stored in table customers.

Ans : select \* from customers;

1. Select only first\_name, last\_name, email\_id of all customers

Ans. select first\_name,last\_name,email\_id from Customers;

1. Select all records of those customers who has no mobile number

Ans: select \* from Customers where mob\_no is null;

1. Select all customer records in ascending order of first\_name and last\_name

Ans: select \* from Customers order by first\_name ,last\_name asc;

5. Select those customer records who registered in october month

Ans: select \* from Customers where reg\_date like'\_\_\_\_\_10%';

Select total items sold February month

Ans: select sum(order\_items) from orders where order\_date like'\_\_\_\_\_02%'

2. Select total purchase amount of Priya dutt.

Ans: select sum(order\_total) from orders where cust\_id='priya001@gmail.com';

3. Select all order details where total amount is greater than 1000.

Ans: select \* from orders where order\_total>1000;

4.Select all order details where purchase amount is within 500 to 1500.

Ans: select \* from orders where order\_total between 500 and 1500;

1. Select all order details where purchase amount is within 500 to 1500 of Priya, Rohan and Siya.

Ans:

6. Select order details of all customers with one more column named order\_type .

If total purchase items is less than 3 then show less quantity otherwise show good quantity

7. Select orders of all customers except priya