|  |  |  |  |
| --- | --- | --- | --- |
| A picture containing drawing, stop, room  Description automatically generated | Database Management Systems  Practical #3 | | |
|  |  |  |  |
| **Name** | Sahil Shah | **Roll Number** | 21302C0022 |
| **Subject/Course:** | Database Management Systems / BSc IT | | |
| **Practical 3** | Constraints | | |
|  | | | |
| **Q. 1**  **Table Name: Client\_Master**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Column Name** | **Data Type** | **Size** | **Default** | **Attributes** | | CLIENTNO | char | 6 |  | Primary Key | | NAME | char | 20 |  | Not Null | | ADDRESS | char | 20 |  |  | | CITY | Char | 15 |  |  | | PINCODE | Number | 8 |  | Unique | | STATE | Char | 15 |  |  | | BALDUE | Number | 10,2 |  | Greater than 0 |   **Write create command for above table and insert 5 rows and paste the output as screenshots based on above Client\_Master table.** | | | |
| **INPUT :**  **create table Client\_Master(**  **ClientNo varchar(6) Primary key,**  **Name varchar(20) Not null,**  **Address varchar(20),**  **City varchar(15),**  **pincode number(8) unique,**  **State varchar(15),**  **Baldue Number(10,2) CHECK(baldue>0)**  **);**    **desc Client\_master;**  **OUTPUT :** | | | |
| Table Name: Product\_Master   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Column Name** | **Data Type** | **Size** | **Default** | **Attributes** | | PRODUCTNO | Char | 6 |  | Primary Key | | DESCRIPTION | Char | 15 |  | Not Null | | QTYONHAND | Number | 8 |  | Not Null | | REORDERLVL | Number | 8 |  | Not Null | | SELLPRICE | Number | 8,2 |  | Not Null | | COSTPRICE | Number | 8,2 |  | Not Null |   **Write create command for above table and insert 5 rows and paste the output as screenshots based on above Product\_Master table.** | | | |
| **INPUT :**  create table product\_master(  productNo varchar(6) Primary key,  description varchar(15) Not null,  Qtyonhand number(8) not null,  reorderlvl number(8) not null,  sellprice number(8,2) not null,  costprice number(8,2) not null);  desc product\_master;  select \* from product\_master;  Insert into product\_master values('c002','medicine',9,15,150,120);  Insert into product\_master values('c009','tulsi',12,19,90,50);  Insert into product\_master values('c013','jeera',7,18,70,30);  Insert into product\_master values('c019','chocolate',6,13,120,80);  Insert into product\_master values('c021','icecream',2,16,60,30);  **OUTPUT :**     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Q. 3**  **Table Name: Salesman\_Master**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Column Name** | **Data Type** | **Size** | **Default** | **Attributes** | | PRODUCTNO | Char | 6 |  | Primary Key/First letter must start with ‘P’ | | DESCRIPTION | Char | 15 |  | Not Null | | QTYONHAND | Number | 8 |  | Not Null | | REORDERLVL | Number | 8 |  | Not Null | | SELLPRICE | Number | 8,2 |  | Not Null, cannot be 0 | | COSTPRICE | Number | 8,2 |  | Not Null, cannot be 0 |   **Write create command for above table and insert 5 rows and paste the output as screenshots based on above salesman\_Master table.** |   **INPUT :**  **create table salesman\_master(**  **productNo varchar(6) Primary key,**  **description varchar(15) Not null,**  **Qtyonhand number(8) not null,**  **reorderlvl number(8) not null,**  **sellprice number(8,2) not null,**  **costprice number(8,2) not null);**  **desc salesman\_master;**  **select \* from product\_master;**  **Insert into product\_master values('c002','medicine',9,15,150,120);**  **Insert into product\_master values('c009','tulsi',12,19,90,50);**  **Insert into product\_master values('c013','jeera',7,18,70,30);**  **Insert into product\_master values('c019','chocolate',6,13,120,80);**  **Insert into product\_master values('c021','icecream',2,16,60,30);**  **OUTPUT :** | | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Q. 4**  **Table Name: Salesman\_Order**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Column Name** | **Data Type** | **Size** | **Default** | **Attributes** | | ORDERNO | Char | 6 |  | Primary Key/First Letter must start with ‘O’ | | CLIENTNO | Char | 6 |  | Foreign Key references ClientNo of Client\_Master table | | SALESMANNO | Char | 6 |  | Foreign Key references SalesmanNo of Salesman\_Master table | | DALYTYPE | Char | 1 | F |  | | ORDERSTATUS | Char | 10 |  | Values (‘In Process’,’Fulfilled’,’BackOrder’, ‘Cancelled’) |   **Write create command for above table and insert 5 rows and paste the output as screenshots based on above Salesman\_Order table.** |   INPUT : | | | |