**1: Sign\_up--(A\_ID,A\_Password,All\_Info ,U\_ID,U\_Name, Password)**

**1NF: No multivalued attribute.**

**2NF: A\_ID,A\_Password,All\_Info**

**U\_ID,U\_Name, Password**

**3NF: No transitive dependency.**

**A\_ID,A\_Password,All\_Info**

**U\_ID,U\_Name, Password**

**Tables from Sign\_up:**

**1. A\_ID,A\_Password,All\_Info, U\_ID**

**2. U\_ID,U\_Name, Password**

**2: Comment--( U\_ID,U\_Name, Password, F\_ID,Messege )**

**1NF: No multivalued attribute.**

**2NF: U\_ID,U\_Name, Password**

**F\_ID,Messege**

**3NF: No transitive dependency.**

**U\_ID,U\_Name, Password**

**F\_ID,Messege**

**Tables from Comment:**

**3. U\_ID,U\_Name, Password**

**4. F\_ID,Messege, U\_ID**

**3:Own:(U\_ID,U\_Name, Password,O\_ID,T\_Price,Address,Phone)**

**1NF: Phone is a multivalued attribute.**

**2NF: U\_ID,U\_Name, Password**

**O\_ID,T\_Price,Address,Phone**

**3NF:No transitive dependency.**

**U\_ID,U\_Name, Password**

**O\_ID,T\_Price,Address,Phone**

**Table from Own:**

**5. U\_ID,U\_Name, Password**

**6. O\_ID,T\_Price,Address, U\_ID**

**7. O\_ID, Phone -> composite pk**

**4:RETAIN--( O\_ID,T\_Price,Address,Phone,P\_ID, P\_Name, Price, Images)**

**1NF: Phone is a multivalued attribute.**

**2NF: O\_ID,T\_Price,Address,Phone**

**P\_ID, P\_Name, Price, Images**

**3NF:  No transitive dependency .**

**O\_ID,T\_Price,Address,Phone**

**P\_ID, P\_Name, Price, Images**

**Table from Retain:**

**8. O\_ID,T\_Price,Address,**

**9. O\_ID ,Phone ->composite pk**

**10. P\_ID, P\_Name, Price, Images**

**12. N\_ID ,O\_ID, P\_ID**

**5: Manage: O\_ID,T\_Price,Address,Phone, T\_ID,History,Confirmation**

**1NF:  Phone  is a multivalued attribute.**

**2NF: O\_ID,T\_Price,Address,Phone**

**T\_ID,History,Confirmation**

**3NF: No transitive dependency**

**O\_ID,T\_Price,Address,Phone**

**T\_ID,History,Confirmation**

**Tables from Manage:**

**13. O\_ID,T\_Price,Address, T\_ID**

**14. O\_ID, ,Phone ->composite pk**

**15. T\_ID,History,Confirmation**

**6:Hold-(T\_ID,History,Confirmation,D\_ID,D\_Phone,Location**

**1NF: D\_Phone  is a multivalued attribute.**

**2NF: T\_ID,History,Confirmation**

**D\_ID,D\_Phone,Location**

**3NF: No transitive dependency**

**T\_ID,History,Confirmation**

**D\_ID,D\_Phone,Location**

**Tables from Hold:**

**16.T\_ID,History, Confirmation, D\_ID**

**17.D\_ID, Location**

**18. D\_ID,D\_Phone ->composite pk**

**All Tables :**

**1. A\_ID,A\_Password,All\_Info, U\_ID**

**2. U\_ID,U\_Name, Password**

**3. U\_ID,U\_Name, Password**

**4. F\_ID,Messege, U\_ID**

**5. U\_ID,U\_Name, Password**

**6. O\_ID,T\_Price,Address, U\_ID**

**7. O\_ID, Phone -> composite pk**

**8. O\_ID,T\_Price,Address,**

**9. O\_ID ,Phone ->composite pk**

**10. P\_ID, P\_Name, Price, Images**

**12. N\_ID ,O\_ID, P\_ID**

**13. O\_ID,T\_Price,Address, T\_ID**

**14. O\_ID, ,Phone ->composite pk**

**15. T\_ID,History,Confirmation**

**16. T\_ID,History, Confirmation, D\_ID**

**17. D\_ID, Location**

**18. D\_ID,D\_Phone ->composite pk**

**Tables after normalization:**

**1. A\_ID,A\_Password,All\_Info, U\_ID**  ->**Authority**

**2. U\_ID,U\_Name, Password**  -> **Coustomer**

**3. F\_ID,Messege, U\_ID**  ->**Feedback**

**4. O\_ID,T\_Price,Address, U\_ID ,T\_ID**  ->P\_**Order**

**5. O\_ID, Phone -> composite pk**  -> **CON TACT**

**6. P\_ID, P\_Name, Price, Images**  ->**Product**

**7. N\_ID ,O\_ID, P\_ID**  ->**New\_Table**

**8. T\_ID,History, Confirmation, D\_ID**  ->**Payment**

**9. D\_ID, Location**  ->**Delivery**

**10. D\_ID,D\_Phone ->composite pk**  ->**D\_CONTACT**

**1. A\_ID,A\_Password,All\_Info, U\_ID**  ->**Authority**

**create table Authority(**

**A\_ID number(10),**

**A\_Password varchar2(20),**

**All\_Info varchar2(100),**

**U\_ID number(10))**

**alter table Authority add constraint AT\_pk primary key(A\_ID)**

**alter table Authority add constraint ATF\_pk foreign key(U\_ID)**

**references Coustomer(U\_ID)**

**2. U\_ID,U\_Name, Password**  ->**Coustomer**

**create table Coustomer(**

**U\_ID number(10),**

**U\_Name varchar2(30),**

**Password varchar2(20))**

**alter table Coustomer add constraint CS\_pk primary key(U\_ID)**

**3. F\_ID,Messege, U\_ID**  ->**Feedback**

**Create table Feedback(**

**F\_ID number(10),**

**Message varchar2(200),**

**U\_ID number(10))**

**Alter table Feedback add constraint FI\_pk primary key (F\_ID)**

**alter table Feedback add constraint FIF\_pk foreign key(U\_ID)**

**references Coustomer(U\_ID)**

**4. O\_ID,T\_Price,Address, U\_ID ,T\_ID**  -> **P\_Order**

**Create table P\_Order(**

**O\_ID number(10),**

**T\_Price number(7),**

**Address varchar2(200),**

**U\_ID number(10),**

**T\_ID number(10))**

**Alter table P\_Order add constraint PO\_pk primary key (O\_ID)**

**alter table P\_Order add constraint POF\_pk foreign key(U\_ID)**

**references Coustomer(U\_ID)**

**alter table P\_Order add constraint POF2\_pk foreign key(T\_ID)**

**references Payment(T\_ID)**

**5. O\_ID, Phone -> composite pk**  -> **CONTACT**

**Create table Contact(**

**O\_ID number(10),**

**Phone number(11))**

**alter table Contact add constraint CO\_pk primary key(O\_ID, Phone)**

**6. P\_ID, P\_Name, Price, Images**  ->**Product**

**Create table Product(**

**P\_ID number(10),**

**P\_Name varchar2 (30),**

**price number(7),**

**images varchar2(200)**

**)**

**Alter table Product add constraint PR\_pk primary key(P\_ID)**

**7. N\_ID ,O\_ID, P\_ID**  ->**New\_Table**

**Create table New\_Table(**

**N\_ID number(10),**

**O\_ID number(10),**

**P\_ID number(10))**

**Alter table New\_Table add constraint PR\_pk primary key(N\_ID)**

**alter table New\_Table add constraint NTF\_pk foreign key(O\_ID)**

**references P\_Order(O\_ID)**

**alter table New\_Table add constraint NTF2\_pk foreign key(P\_ID)**

**references Product(P\_ID)**

**8. T\_ID,History, Confirmation, D\_ID**  ->**Payment**

**Create table Payment(**

**T\_ID number(10),**

**History varchar2(200),**

**Confirmation varchar2(50),**

**D\_ID number(10))**

**Alter table Payment add constraint PN\_pk primary key(T\_ID)**

**alter table Payment add constraint PNF2\_pk foreign key(D\_ID )**

**references Delivery(D\_ID )**

**9. D\_ID, Location**  ->**Delivery**

**Create table Delivery(**

**D\_ID number(10),**

**Location varchar2(200))**

**Alter table Delivery add constraint DV\_pk primary key(D\_ID)**

**10. D\_ID,D\_Phone ->composite pk**  ->**D\_Contact**

**Create table D\_Contact(**

**D\_ID number(10),**

**D\_Phone number(11))**

**alter table D\_contact add constraint CN\_pk primary key(D\_ID,D\_Phone)**

**Raff Raff Raff**

**1. A\_ID,A\_Password,All\_Info, U\_ID**

**2. U\_ID,U\_Name, Password**

**3.**

**4. F\_ID,Messege, U\_ID**

**5.**

**6. O\_ID,T\_Price,Address, U\_ID ,T\_ID**

**7. O\_ID, Phone -> composite pk**

**8.**

**9.**

**10. P\_ID, P\_Name, Price, Images**

**12. N\_ID ,O\_ID, P\_ID**

**13.**

**14.**

**15.**

**16. T\_ID,History, Confirmation, D\_ID**

**17. D\_ID, Location**

**18. D\_ID,D\_Phone ->composite pk**

**insert into STUDENT values(101,,’Smith’,201,302)**

**insert into location values(202,’India’,’Kalkata’)**

**Name: JANNATUL HOQUE SAMY**

**ID:20-44189-2**

**ADDRESS:SAZ PULAK ASHKONA CITY COMPLEX, AIRPORT, DHAKA**

**PHONE NUMBER :01716917351**

**Name:MAMIA HOSSAIN NADY**

**Id:20-44196-2**

**Address:76/2 Aynusbug College road Dhakkinkhan Dhaka-1230**

**Phone:01711703466**

**name: SHAKIBUL ISLAM AKASH**

**ID-20-43861-2**

**PHONE-01771800270**

**address: Korimkutir,Barisal**

**Islam Md Ashraful**

**create table teacher\_a(**

**t\_id number(10),**

**t\_name varchar2(20),**

**salary number(10))**

**alter table teacher\_a add constraint t\_pk primary key(t\_id)**

**create sequence t\_seq**

**start with 90**

**increment by 1**

**maxvalue 100**

**nocycle**

**nocache**

**create sequence tb\_seq**

**start with 90**

**increment by 1**

**maxvalue 100**

**nocycle**

**nocache**

**insert into teacher\_a(t\_id,t\_name,salary) values(t\_seq.nextval,'SMITH',500)**

**insert into teacher\_a(t\_id,t\_name,salary) values(t\_seq.nextval,'JON',600)**

**insert into teacher\_a(t\_id,t\_name,salary) values(t\_seq.nextval,'ALLEN',900)**

**insert into teacher\_a(t\_id,t\_name,salary) values(tb\_seq.nextval,'Emon',1100)**

**select \***

**from user\_sequences**

**select \***

**from teacher\_a**

**order by t\_id**

**part\subset\window\view**

**simple view; no func/ group by**

**for create;**

**create view testb as**

**(create view E\_Test as**

**Select empno ,ename”Employe”,deptno**

**From emp**

**)**

**for modify,delete ,add ; rename o kora jay “ ” double kotetion diye**

**create or replace view testb as**

**with ckeck option constraint tbg acces control**

**insart into testb values (101,himu,6000,10)**

**main table eo upload hobe**

**with read only**

**drop view testb**

**complex view; more than one table,all alowed**

1. **Create a view named Comfirm that contains the T\_ID,HIstory,Confirnation and D\_ID  
   for where Confirmation is YES . Rename the view column Transaction \_ID and Delivery\_ID .Don’t allow an reassigned to another department through the view.**

**create view Comfirm as**

**Select T\_ID "Transaction \_ID", HIstory , Confirnation , D\_ID "Delivery\_ID"**

**From Payment**

**where CONFIRMATION=YES**

**with check option constraint Comfirm**

1. **Alter the sequence increment by 2 & make the sequence nocycle, nocache,.Max value 3000001 ,Start with 100001?**

**create sequence T\_seq**

**start with 2000001**

**increment by 2**

**maxvalue 3000001**

**nocycle**

**nocache**

**create sequence O\_seq**

**start with 1050301**

**increment by 1**

**nomaxvalue**

**nocycle**

**nocache**

select \*  
from user\_sequences

**2**

**insert into Coustomer values(101,'Forhad','F2561fg5d1g')**

**insert into Coustomer values(102,'JANNATUL','123456789')**

**insert into Coustomer values(103,'MAMIA','987654321')**

**insert into Coustomer values(104,'SHAKIBUL','SHAKIBUL123')**

**insert into Coustomer values(105,'Islam','ashraful 147')**

**select \***

**From Coustomer**

**6**

**insert into Product values(88101,'SULTAN PUNJABI',5000,'PUNJABI')**

**insert into Product values(88102,'AMANAOT SAH LUNGI',350,'LUNGI')**

**insert into Product values(88103,'100% COTTON GAMCHA',150,'GAMCHA')**

**insert into Product values(88104,'MOKKA TUPI',300,'TUPI')**

**insert into Product values(88105,'JAMDANI SHARI',2000,'SHAARI')**

**select \***

**From Product**

**9.**

**insert into Delivery values(808101,'B-108/3,SOBAHAN-BUG,SAVAR,DHAKA')**

**insert into Delivery values(808102,'ASHKONA,CITY COMPLEX,AIRPORT,DHAKA')**

**insert into Delivery values(808103,'College road,Dhakkinkhan,Dhaka')**

**insert into Delivery values(808104,'Korimkutir,Barisal')**

**insert into Delivery values(808105,'Khilgaon,Dhaka ')**

**insert into Delivery values(808106,'B-108/3,SOBAHAN-BUG,SAVAR,DHAKA')**

**10**

**insert into D\_Contact values(808101,01796602734)**

**insert into D\_Contact values(808101,01309070123)**

**insert into D\_Contact values(808102,01716917351)**

**insert into D\_Contact values(808103,01711703466)**

**insert into D\_Contact values(808103,01567661511)**

**insert into D\_Contact values(808104,01771800270)**

**insert into D\_Contact values(808104,01371520154)**

**insert into D\_Contact values(808105,01925093569)**

**insert into D\_Contact values(808106,01796602734)**

**insert into D\_Contact values(808106,01309070123)**

**1**

**Not run**

**insert into Authority values(999901,'Emon@734N','F2561fg5d1g',101)**

**3.F\_ID,Messege, U\_ID ->Feedback**

**insert into Feedback values(555101,'AMANAOT SAH LUNGI VERY GOOD PROUCT',101)**

**insert into Feedback values(555102,'WOW! this color is nice ',101)**

**insert into Feedback values(555103,'Product price is very high ',103)**

**insert into Feedback values(555104,'Is it available?',104)**

**insert into Feedback values(555105,'This product quality is bery bad ',102)**

**8. T\_ID,History, Confirmation, D\_ID ->Payment**

**insert into Payment values(T\_seq.nextval,'08-08-2021','YES',808101)**

**insert into Payment values(T\_seq.nextval,'09-08-2021','YES',808102)**

**insert into Payment values(T\_seq.nextval,'09-08-2021','NO',808102)**

**insert into Payment values(T\_seq.nextval,'09-08-2021','YES',808103)**

**insert into Payment values(T\_seq.nextval,'09-08-2021','YES',808104)**

**insert into Payment values(T\_seq.nextval,'10-08-2021','NO',808105)**

**select\***

**from all\_constraints**

**where table\_name='** **P\_Order '**

**4 O\_ID,T\_Price,Address, U\_ID ,T\_ID ->P\_Order**

**insert into P\_Order values(O\_seq.nextval,350,'B-108/3,SOBAHAN-BUG,SAVAR,DHAKA',101,1005)**

**insert into P\_Order values(O\_seq.nextval,2000,'ASHKONA,CITY COMPLEX,AIRPORT,DHAKA',102,1007)**

**insert into P\_Order values(O\_seq.nextval,150,'ASHKONA,CITY COMPLEX,AIRPORT,DHAKA',102,1008)**

**insert into P\_Order values(O\_seq.nextval,2000,'College road,Dhakkinkhan,Dhaka',103,1010)**

**insert into P\_Order values(O\_seq.nextval,300,'Korimkutir,Barisal',104,1011)**

**insert into P\_Order values(O\_seq.nextval,2000,'Khilgaon,Dhaka',103,1016)**

**insert into P\_Order values(O\_seq.nextval,5000,'B-108/3,SOBAHAN-BUG,SAVAR,DHAKA',101,1017)**

**5. O\_ID, Phone -> composite pk -> CONTACT**

**insert into CONTACT values(100001,1309070123)**

**insert into CONTACT values(100005,1567661511)**

**insert into CONTACT values(100003,1716917351)**

**insert into CONTACT values(100004,1716917351)**

**insert into CONTACT values(100006,1371520154)**

**insert into CONTACT values(100007,1925093569)**

**insert into CONTACT values(100008,1309070123)**

**select \***

**from all\_constraints**

**where table\_name='PAYMENT'**

**single row 2**

**group function 2**

**sub query 2**

**join 2**

**view 1**

**sequence 1**

select \*  
from faculty  
  
update faculty  
set t\_name='martin'  
where t\_no=103  
  
  
delete from faculty  
where t\_no=102

desc Product

SELECT \*  
From Product

**select \***

**from user\_sequences**

select \*

from all\_constraints

where table\_name='DELIVERY'

drop view Comfirm

**7**

**alter table Coustomer add constraint se unique(U\_Name)**

**alter table Payment add constraint PC check(Confirmation='YES' or Confirmation='NO')**

**alter table Product modify (Price not null)**

**alter table P\_Order modify (Address not null)**

**alter table Payment modify (History not null)**

**select\***

**from all\_constraints**

**where table\_name='Payment'**

**alter table Delivery modify (Location not null)**

**9. Questions**

**1.Find the length of ‘JAMDANI SHARI’ .**

**Ans:**

**select P\_Name,length('JAMDANI SHARI')**

**from Product**

**where P\_Name='JAMDANI SHARI'**

**2.Concat the P\_Name and PRICE coming from Product table.**

**Ans:**

**select concat(P\_Name,PRICE)**

**from Product**

3 Count the T\_ID by comfirmation type From the payment table .

Ans

select count(T\_ID),Confirmation

from Payment

Group by Confirmation

4.Find the Max T\_Price by the U\_ID And Max T\_Price is less than 3000.

Ans:

select max(T\_Price),U\_ID"User\_ID"

From P\_Order

Having max(T\_Price)<3000

Group by U\_ID

**5.display the P\_Name ,Price which price is greater than P\_ID(88103)**

ANS

**select P\_Name,Price**

**from product**

**where price>(select price**

**from product**

**where P\_id=88103** )

**6.display all p\_id that have a minimum price greater than p\_id 88103 ‘s minimum price**

**Ans :**

**Select p\_id**

**From product**

**Group by p\_id**

**Having min(price)>(select min (price)**

**From product**

**Where p\_id =88103)**

7.Display the U\_Name,Message for all Coustomer.

Ans :

 Select U\_Name,Message

From Coustomer,Feedback

Where Coustomer.U\_ID=Feedback.U\_ID

8.Display the D\_ID , Confirmation,History,Location .Label the D\_ID to Delivery\_ID. Whose Confirmation is YES.

Select P.D\_ID"Delivery\_ID",Confirmation,History,Location

From Payment P,Delivery

Where P.D\_ID=Delivery.D\_ID and Confirmation='YES'

**9. Create a view named Comfirm that contains the T\_ID,HIstory, Confirnation and D\_ID** **for where Confirmation is YES . Rename the view column Transaction \_ID and Delivery\_ID .Don’t allow an reassigned to another department through the view.**

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**maxvalue 3000001**

**nocycle**

**nocache**