

Govt. College of Engineering & Textile Technology, Serampore

Database Management Systems [PCC-CS691]**Assignment-1****1. Create the following tables**

Hotel master table- Hotel

Column Name	Format	Remarks
hotelNo	Varchar2(10)	Primary key, Starts with 'H'
hotelName	Varchar2(20)	
City	Varchar2(15)	Default Kolkata
Status	Number(1)	Status means 3 star or 5 star default status =1

Room master table: Room

Column Name	Format	Remarks
roomNo	Varchar2(10)	Starts with 'R', roomNo Primary key
hotelNo	Varchar2(10)	References hotelNo of Hotel
Bed	Varchar2(10)	
Rate	Number(8,2)	
Type	Char(3)	Type may be AC or NAC(Non AC)
Floor	Number(1)	Floor – 0, 1, 2, 3, 4, 5

Booking details table : Booking

Column Name	Format	Remarks
bookId	Varchar(5)	Primary key, Starts with 'B'
hotelNo	Varchar2(10)	References hotelNo of Hotel
guestNo	Varchar2(10)	References guestNo of Guest
dateFrom	Date	
dateTo	Date	
roomNo	Varchar2(10)	References roomNo of Room

Guest details table : Guest

Column Name	Format	Remarks
guestNo	Varchar2(10)	Primary key, Starts with 'G'
guestName	Varchar2(20)	
Sex	Char(1)	M/F
geustID	Varchar2(10)	
guestAddress	Varchar2(25)	
noMember	Number(1)	No. of Member, default 1

Assignment-2**1. Insert the following data into respective table:**

A. Data for Hotel table

hotelNo	hotelName	City	Status
H001	TajBengal	Kolkata	5
H002	Ashoka	Airport	3
H003	Hindustan	Kolkata	3
H004	The Park	Kolkata	1
H005	Hyatt	Salt Lake	1
H006	Orchid	Kolkata	3

B. Data for : Room table

roomNno	hotelNo	Bed	Rate	Type	Floor
R001	H001	Single	2200	AC	1
R002	H001	Double	4200	NAC	0
R003	H002	Sofa cum	4800	AC	2
R004	H002	Single	3000	NAC	3
R005	H003	Double	5000	AC	1
R006	H003	Single	3000	NAC	4
R007	H003	Sofa cum	4500	AC	0
R008	H004	Single	2500	NAC	2
R009	H004	Sofa cum	3500	AC	3
R010	H005	Double	3800	NAC	4
R011	H005	Double	4500	AC	1
R012	H006	Single	2700	NAC	2

C. Data for Booking table

bookId	hotelNo	guestNo	dateFrom	dateTo	roomNo
B0001	H001	G001	20-Jan-2014	02-Feb-2014	R002
B0002	H001	G002	5-Jan-2014	12-Jan-2014	R002
B0003	H002	G003	10-Mar-2014	15-Mar-2014	R003
B0004	H003	G004	30-Jan-2014	07-Feb-2014	R008
B0005	H004	G001	21-Mar-2014	29-Mar-2014	R007
B0006	H004	G005	22-Feb-2014	28-Feb-2014	R007
B0007	H004	G006	10-Jan-2014		R009
B0008	H005	G002	12-Feb-2014	22-Feb-2014	R009
B0009	H005	G006	02-Mar-2014	15-Mar-2014	R010
B0010	H006	G006	06-Apr-2014	18-Apr-2014	R012
B0011	H006	G003	12-Apr-2014	21-Apr-2014	R012

D. Data for Guest table

guestNo	guestName	Sex	guestID	guestAddress	noMember
G001	Naren Kumar	M	AODPN8133Q	Delhi	1
G002	Amrita Roy	F	AEWPM7385L	Bangalore	2
G003	Saikat Sinha	M	APWKL2532Q	Hyderabad	2
G004	Kiran Khan	F	AWPOL253M	Mumbai	4
G005	Sukumar Das	M	ARTP35629Q	Kolkata	1
G006	Hari Har	M	ADFPL4563Q	Hyderabad	3

Assignment-3

Single table Retrieval

1. List full details of all hotels.
2. List full details of all 5 star hotels in Kolkata and Salt Lake.
3. Find the name of all guests whose name starts with 'S' or 'A'.
4. Name all the guests whose name's first character should not be 'N', 'H', 'A'.
5. List the names and cities of all guests, ordered according to their cities
6. Show the list of all non repetitive guest no. from booking table.
7. List all rooms and type having rate within Rs. 3000 to Rs.4000.00.
8. List all details of rooms with price between Rs.3000.00 and Rs. 4500.00.
9. List all double rooms with a price below Rs. 4000.00 in ascending order of price.
10. List the hotels booked in the month of 'March 2014'.
11. List the bookings for which no dateTo has been specified.
12. Update the rate of all rooms by 10%.
13. Create a table Visitors of same structure as Guest. Insert three records.
14. Rename the table Visitors as Corporate.