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Project Coding

Hostel Database Management System

Code:

```
create database hostel;
```

```
use hostel;
```

```
show databases;
```

```
drop database hostel;
```

```
create table boys_hostel
```

```
(hostel_id int (10) not null,
```

```
no_of_rooms int (25) not null,
```

```
no_of_student int (22) not null,
```

```
annual_expences int (25) not null,
```

```
location varchar (10) not null,
```

```
primary key (hostel_id)  
);
```

```
drop table boys_hostel;
```

```
insert into boys_hostel values  
(1001,'25','50','2450000','attock'),  
(1002,'30','60','2740000','attock'),  
(1003,'31','62','2870000','attock'),  
(1004,'22','44','2120000','attock');
```

```
select * from boys_hostel;
```

Result Grid					
Filter Rows:					
Edit:					
Export/Import:					
	hostel_id	no_of_rooms	no_of_student	annual_expences	location
	1001	25	50	2450000	attock
	1002	30	60	2740000	attock
	1003	31	62	2870000	attock
	1004	22	44	2120000	attock
*	NULL	NULL	NULL	NULL	NULL

create table room

```
(room_id int (10) not null,
capacity int (10) not null,
hostel_id int (10) not null,
name_of_student varchar (40) not null,
room_status varchar(10) not null,
primary key (room_id),
foreign key (hostel_id) references boys_hostel (hostel_id)
);
```

drop table room;

insert into room values

```
(2001,'2','1001','asad and qayyum','full'),
(2002,'2','1001','hassan and junaid','full'),
(2003,'2','1001','amin and atiq khan','full'),
(2004,'2','1001','asif hussain','full'),
(2005,'2','1001','kashif ktk and bahadur khan','full'),
(2006,'2','1001','m.bilal','not_full'),
(2007,'2','1001','atiq-ur-rehman and sajawal','full'),
(2008,'2','1001','noman and m.ahsan','full'),
(2009,'2','1001','m.danish','not_full'),
(2010,'2','1001','khashif','not_full'),
(2011,'2','1001','faisal khan','not_full');
```

select * from room;

	room_id	capacity	hostel_id	name_of_student	room_status
	2001	2	1001	asad and qayyum	full
	2002	2	1001	hassan and junaaid	full
	2003	2	1001	amin and atiq khan	full
	2004	2	1001	asif hussain	full
	2005	2	1001	kashif ktk and baha...	full
	2006	2	1001	m.bilal	not_full
	2007	2	1001	atiq-ur-rehman and ...	full
	2008	2	1001	noman and m.ahsan	full
	2009	2	1001	m.danish	not_full
	2010	2	1001	khashif	not_full
	2011	2	1001	faisal khan	not_full
*	NULL	NULL	NULL	NULL	NULL

select room_id,name_of_student from room where room_status='not_full';

	room_id	name_of_student
	2006	m.bilal
	2009	m.danish
	2010	khashif
	2011	faisal khan
*	NULL	NULL

create table student

```

(student_id int (10) not null,
student_name varchar (40) not null,
student_father_name varchar (40),
department varchar (30) not null,
address varchar (40) not null,
cell_no varchar (20) not null,
student_age int (5) not null,
student_DOB varchar (15) not null,
hostel_id int (10) not null,
room_id int (10) not null,
primary key (student_id),
foreign key (hostel_id) references boys_hostel (hostel_id),
foreign key (room_id) references room (room_id)
);
drop table student;
```

insert into student values

```
(101,'Asad','masood elahi','computer science','mardan cantt','03xx-xxxxxxx','20','15-june-93','1001',2001),

(102,'qayyum','momen shah','management','garm chashma chatral','03xx-xxxxxxx','23','13-july-90','1001',2001),
(103,'hassan','M.tariq','management','DI khan','03xx-xxxxxxx','21','13-feb-92','1001',2002),
(104,'amin','m.fazal','computer science','takht bai','03xx-xxxxxxx','22','1-may-91','1001',2003),
(105,'atiq khan','shamshat khan','computer science','hango','03xx-xxxxxxx','21','19-apri-92','1001',2003),
(106,'juniad','m.munir','management','fatih jung','03xx-xxxxxxx','23','28-may-90','1001',2002),
(107,'asif hussain','m.hussain','computer science','liyya gorak pur','03xx-xxxxxxx','22','19-april-91','1001',2004),
(108,'kashif ktk','m.ijaz','computer science','karak','03xx-xxxxxxx','20','1-sep-93','1001',2005),
(109,'bahadur khan','mazdoor khan','management','akorha khatak','03xx-xxxxxxx','21','20-sep--92','1001',2005),
(110,'bilal','m.younas','computer science','mardan cantt','03xx-xxxxxxx','22','1-may-91','1001',2006),
(111,'atiq-ur-rehman','saifullah','computer science','peshawer','03xx-xxxxxxx','22','1-march-91','1001',2007),
(112,'sajawal','m.shafiq','computer science','attock','03xx-xxxxxxx','23','20-march-90','1001',2007),
(113,'noman','m.shafiq','computer science','haripur','03xx-xxxxxxx','21','14-aug-92','1001',2008),
(114,'m.ahsan','ijaz ahmad','computer science','pendigape','03xx-xxxxxxx','21','20-april-92','1001',2008),
(115,'m.danish','jahanzeb khan','Electrical engineering','deer','03xx-xxxxxxx','22','2-sep-91','1001',2009),
(116,'kashif','masood','Electrical engineering','swat','03xx-xxxxxxx','23','2-jun-90','1001',2010),
(117,'faisal khan','allah dita','Electrical engineering','mardan cantt','03xx-xxxxxxx','21','2-sep-92','1001',2011);
```

select * from student;

Result Grid								
Filter Rows:								
Edit:								
Export/Import:								
Wrap Cell Content:								
	student_id	student_name	student_father_name	department	address	cell_no	student_age	student_dob
	101	Asad	masood elahi	computer scie...	mardan ca...	03xx-xx...	20	15-june-9...
	102	qayyum	momen shah	management	garm chas...	03xx-xx...	23	13-july-9...
	103	hassan	M.tariq	management	DI khan	03xx-xx...	21	13-feb-9...
	104	amin	m.fazal	computer scie...	takht bai	03xx-xx...	22	1-may-91...
	105	atiq khan	shamshat khan	computer scie...	hango	03xx-xx...	21	19-apri-9...
	106	juniad	m.munir	management	fatih jung	03xx-xx...	23	28-may-9...
	107	asif hussain	m.hussain	computer scie...	liyya gora...	03xx-xx...	22	19-april-9...
	108	kashif ktk	m.ijaz	computer scie...	karak	03xx-xx...	20	1-sep-93...
	109	bahadur khan	mazdoor khan	management	akorha kh...	03xx-xx...	21	20-sep--9...
	110	bilal	m.younas	computer scie...	mardan ca...	03xx-xx...	22	1-may-91...
	111	atiq-ur-rehman	saifullah	computer scie...	peshawer	03xx-xx...	22	1-march-
	112	sajawal	m.shafiq	computer scie...	attock	03xx-xx...	23	20-march-
	113	noman	m.shafiq	computer scie...	haripur	03xx-xx...	21	14-aug-9...
	114	m.ahsan	ijaz ahmad	computer scie...	pendigape	03xx-xx...	21	20-april-9...
	115	m.danish	jahanzeb khan	Electrical engi...	deer	03xx-xx...	22	2-sep-91...
	116	kashif	masood	Electrical engi...	swat	03xx-xx...	23	2-jun-90...
	117	faisal khan	allah dita	Electrical engi...	mardan ca...	03xx-xx...	21	2-sep-92...
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

select student_name,room_id,address,student_DOB from student where student_DOB='20-march-90';

	student_name	room_id	address	student_DOB
	sajawal	2007	attock	20-march-90
*	NULL	NULL	NULL	NULL

```
create table mess
(
mess_incharge_Id varchar (20) not null,
monthly_avg_expenche varchar (30) not null,
mess_bf_timing varchar (45) not null,
mess_dinner_timing varchar (45) not null,
sunday_bf_timing varchar (45) not null,
primary key ( mess_incharge_Id)
);
drop table mess;
insert into mess values
```

```
( '9321','102400','7:00 AM to 8:45 AM','7:30 PM to 8:45 PM','9:00 AM to 11:00 AM'),
( '9322','106400','7:30 AM to 8:45 AM','7:00 PM to 8:45 PM','9:00 AM to 11:00 AM');
select * from mess;
```

	mess_incharge_Id	monthly_avg_expende	mess_bf_timing	mess_dinner_timing	sunday_bf_timing
	9321	102400	7:00 AM to 8:45 AM	7:30 PM to 8:45 PM	9:00 AM to 11:00 AM
	9322	106400	7:30 AM to 8:45 AM	7:00 PM to 8:45 PM	9:00 AM to 11:00 AM
*	NULL	NULL	NULL	NULL	NULL

create table staff

```
(emp_name varchar (40) not null,
emp_id int (20) not null,
emp_address varchar (50) not null,
emp_salary int (20) not null,
emp_cellno varchar (20) not null,
hostel_id int (10) not null,
emp_designation varchar (40) not null,
mess_incharge_Id varchar (20),
primary key (emp_id),
foreign key (hostel_id) references boys_hostel (hostel_id),
foreign key (mess_incharge_id) references mess (mess_incharge_id)
);
```

drop table staff;

insert into staff values

```
( 'habib','8321','sheen bagh attock','15000','03xx-xxxxxxx','1001','cook','9321')
( 'zahid','8322','awan sharif attock','15042','03xx-xxxxxxx','1001','sweeper','null'),
( 'abdul rehman','8323','sheen bagh attock','15042','03xx-xxxxxxx','1001','mess
manager','9322'),
( 'waqar','8324','fowara chock attock','12050','03xx-xxxxxxx','1001','sweeper','null'),
( 'taimur','8325','madni chock,attock','18000','03xx-
xxxxxxx','1001','technician','null'),
( 'zaheen','8326','awan sharif attock','18000','03xx-
xxxxxxx','1001','technician','null'),
( 'mazhar','8327','sheen bagh attock','12050','03xx-
xxxxxxx','1001','laundryman','null');
```

select * from staff;

	emp_name	emp_id	emp_address	emp_salary	emp_celno	hostel_id	emp_designation	mess_incharge_Id
	habib	8321	sheen bagh att...	15000	03xx-xxxxxxx	1001	cook	9321
	zahid	8322	awan sharif att...	15042	03xx-xxxxxxx	1001	sweeper	9321
	abdul rehman	8323	sheen bagh att...	15042	03xx-xxxxxxx	1001	mess manager	9321
	waqar	8324	fowara chock a...	12050	03xx-xxxxxxx	1001	sweeper	9321
	taimur	8325	madni chock,att...	18000	03xx-xxxxxxx	1001	technician	9321
	zaheen	8326	awan sharif att...	18000	03xx-xxxxxxx	1001	technician	9321
	mazhar	8327	sheen bagh att...	12050	03xx-xxxxxxx	1001	laundryman	9321
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

```

CREATE table visitor(
visitor_id int (34) not null,
student_id int (10) not null,
visitor_name varchar (40) not null,
visitor_time_in varchar (40) not null,
visitor_time_out varchar (40) not null,
student_name varchar (40) not null,
date_entring varchar (24) not null,
primary key (visitor_id),
foreign key (student_id) references student (student_id)
);
drop table visitor;

```

insert into visitor values

```

(4561,'101','fahad','8:45 PM','9:25 PM','asad','1-may-14'),
(4562,'101','zahid','8:45 PM','9:25 PM','asad','1-may-14'),
(4563,'105','tanveer','6:50 PM','7:10 PM','atiq khan','2-april-14'),
(4564,'106','fawad','2:00 PM','2:30 PM','junaid','2-april-14'),
(4565,'107','ali','3:24 Pm','4:45 Pm','asif husain','10-april-14'),
(4566,'107','noman','10:00 AM','11:00 AM','asif husain','10-april-14'),
(4567,'110','yasir','2:23 PM','3:08 PM','bilal','20-april-14'),
(4568,'112','umair','3:09 pM','4:43 PM','sajawal','3-may-14'),
(4569,'114','jawad','7:00 PM','8:45 PM','m.ahsan','4-may-14'),
(4560,'116','muazzam','8:00 AM','9:56 AM','kashif','23-april-14');

```

```

select * from visitor;

```

	visitor_id	student_id	visitor_name	visitor_time_in	visitor_time_out	student_name	date_entring
	4560	116	muazzam	8:00 AM	9:56 AM	kashif	23-april-14
	4561	101	fahad	8:45 PM	9:25 PM	asad	1-may-14
	4562	101	zahid	8:45 PM	9:25 PM	asad	1-may-14
	4563	105	tanveer	6:50 PM	7:10 PM	atiq khan	2-april-14
	4564	106	fawad	2:00 PM	2:30 PM	junaaid	2-april-14
	4565	107	ali	3:24 Pm	4:45 Pm	asif husain	10-april-14
	4566	107	noman	10:00 AM	11:00 AM	asif husain	10-april-14
	4567	110	yasir	2:23 PM	3:08 PM	bilal	20-april-14
	4568	112	umair	3:09 pM	4:43 PM	sajawal	3-may-14
	4569	114	jawad	7:00 PM	8:45 PM	m.ahsan	4-may-14
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

select * from visitor where student_name='asad';

	visitor_id	student_id	visitor_name	visitor_time_in	visitor_time_out	student_name	date_entring
	4561	101	fahad	8:45 PM	9:25 PM	asad	1-may-14
	4562	101	zahid	8:45 PM	9:25 PM	asad	1-may-14
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

**create table furniture(
furniture_id varchar (34) not null,
room_id int (10) not null,
furniture_type varchar (40) not null,
primary key (furniture_id),
foreign key (room_id) references room (room_id)
);**

drop table furniture;

**insert into furniture values
('AK97','2001','bed'),
('AK98','2001','study chair'),
('AK99','2002','bed'),
('AK10','2002','study chair'),
('AK11','2002','study table'),
('AK12','2003','bed'),
('AK13','2004','study chair'),
('AK14','2004','study table'),
('AK15','2004','bed'),
('AK16','2005','bed'),
('AK17','2006','study chair'),**


```

('AK18','2006','study table'),
('AK19','2006','bed'),
('AK20','2007','bed'),
('AK21','2007','study table'),
('AK22','2008','bed'),
('AK23','2008','study chair');

```

```
select * from furniture;
```

	furniture_id	room_id	furniture_type
▶	AK10	2002	bed
	AK11	2002	study table,study chair
	AK12	2003	bed,study table,study chair
	AK13	2004	study chair
	AK14	2004	study table
	AK15	2004	bed,study table,study chair
	AK16	2005	bed,study table,study chair
	AK17	2006	bed,study table,study chair
	AK18	2006	bed,study table,study chair
	AK19	2006	bed,study table,study chair
	AK20	2007	bed,study table,study chair
	AK21	2007	bed,study table,study chair
	AK22	2008	bed,study table,study chair
	AK23	2008	bed,study table,study chair
	AK97	2001	bed,study table,study chair
	AK98	2001	bed,study chair
	AK99	2002	bed,study table
*	NULL	NULL	NULL

```
select room_id,furniture_id from furniture where furniture_type!='bed,study
table,study chair';
```

	room_id	furniture_id
	2002	AK10
	2002	AK11
	2004	AK13
	2004	AK14
	2001	AK98
	2002	AK99
*	NULL	NULL

```
create table Fee
```

```

(fee_month_year varchar (40) not null,
fee_status varchar (40) not null,
student_id int (10) not null,
student_name varchar (40) not null,
primary key (fee_month_year,student_id),
foreign key (student_id) references student (student_id)
);
drop table Fee;
insert into Fee values

```

```

('january-2014','paid','101','asad'),
('february-2014','not paid','101','asad'),
('march-2014','paid','101','asad'),
('april-2014','not paid','101','asad'),
('may-2013','paid','101','asad'),
('january-2013','paid','101','asad'),
('march-2013','piad','101','asad'),
('dec-2014','paid','101','asad'),
('februay-2013','not paid','101','asad'),
('nov-2013','paid','101','asad'),
('april-2013','not paid','101','asad'),
('may-2014','paid','101','asad');

```

```

select * from fee;

```

	fee_month_year	fee_status	student_id	student_name
	april-2013	not paid	101	asad
	april-2014	not paid	101	asad
	dec-2014	paid	101	asad
	february-2014	not paid	101	asad
	februay-2013	not paid	101	asad
	january-2013	paid	101	asad
	january-2014	paid	101	asad
	march-2013	piad	101	asad
	march-2014	paid	101	asad
	may-2013	paid	101	asad
	may-2014	paid	101	asad
	nov-2013	paid	101	asad
*	NULL	NULL	NULL	NULL