Hostel DB

Group 5:

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Subject: DBMS

Problem Statement:

VJTI Hostels is a hostel facility for students of VJTI college. The hostel consists of 4 blocks, each having a unique hostel id. Each hostel has rooms for accommodation. The rooms of hostel are allotted to students.

Students can be either fresher or non-fresher. Fresher have unique general merit no. in qualifying exam. Hostel needs to store name, email, mobile no. of the fresher applicant. Hostel needs to check the course to which the fresher is enrolled and the category of the student. Hostel also stores native place of the fresher in order to ensure only students outside Mumbai can avail hostel facility. From course, category, general merit no. and native place information, fresher may or not be allotted room. If allotted, room no. of concerned fresher is stored.

Non-fresher data is stored in a different manner. Non-freshers have unique college ID no. Name, course, semester of the non-freshers is stored. Rooms are allotted on the basis of pointer information. Room no. of room allotted to non-fresher is stored.

Each student has a local guardian. Hostel keeps track of Name, address, mobile no., email of the local guardians in order to contact them in emergency.

Hostel maintains information of each room. Block, unique room number and capacity of each room is stored. Allotment status of the room is stored in order to identify whether room is free for allocation for other students or already occupied.

The hostel has mess facility as well. Students staying at hostel are the members of the mess. Mess maintains monthly and semester-wise expenses of the members. Mess needs to maintain information of student name, mess of which the student is the member, JMC charges, deposit received from the student, opening balance, closing balance for each student every semester. Mess also maintains monthly bills for students, which includes charges for meals, guest, non-veg and fine and total charges.

Hostel has a student committee. The information of secretary, treasurer and members of the committee are maintained by hostel.

Hostel organises various events for students. Events include cultural as well as sports events. Hostel keeps track of Events arranged.

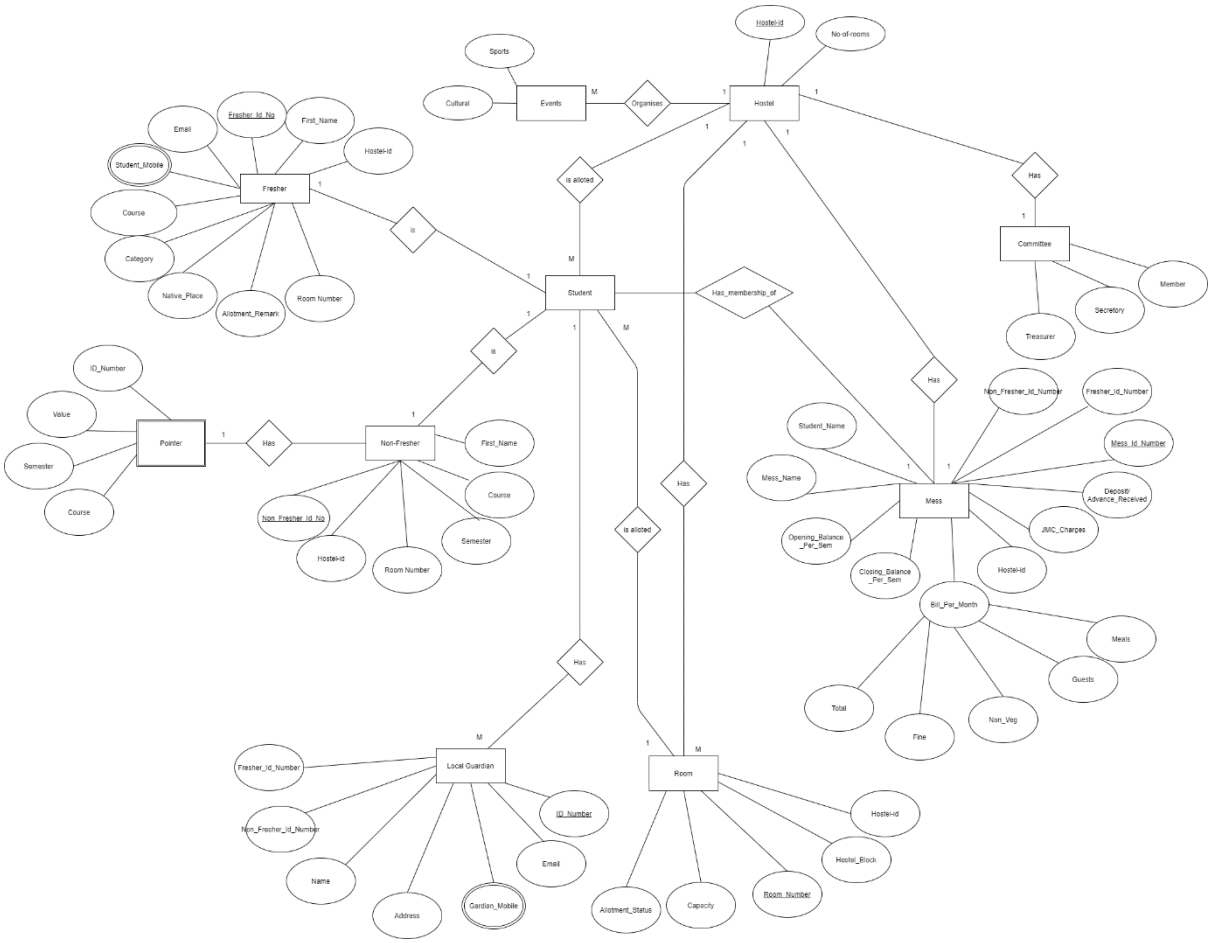
Extra Features:

It will make the management of hostel data simpler as compared to traditional methods of using MS-excel etc. All the entities will be able to store whole information including past and present. So even past information can be accessed as required.

What made us think about it?

Sometimes management authorities lose their data or can't club all the data together with ease, so to make it convenient and simple for them to manage all the data, this method of maintaining a database is easier and can be implemented with digitalizing information rather than hardcopy or hand-made files.

ER Diagram:



Above ER Model contains 8 strong entities namely: Guardian, Room, Mess, Committee, Hostel, Events, Fresher and Non-Fresher. All of them have a table associated with them.

Tools used in creation and sources:

The dataset used in this database is obtained from the VJTI hostel authority. All the information is imported from MS-Excel files stored in the computer. The tools used for the creation and rendering of the database are:

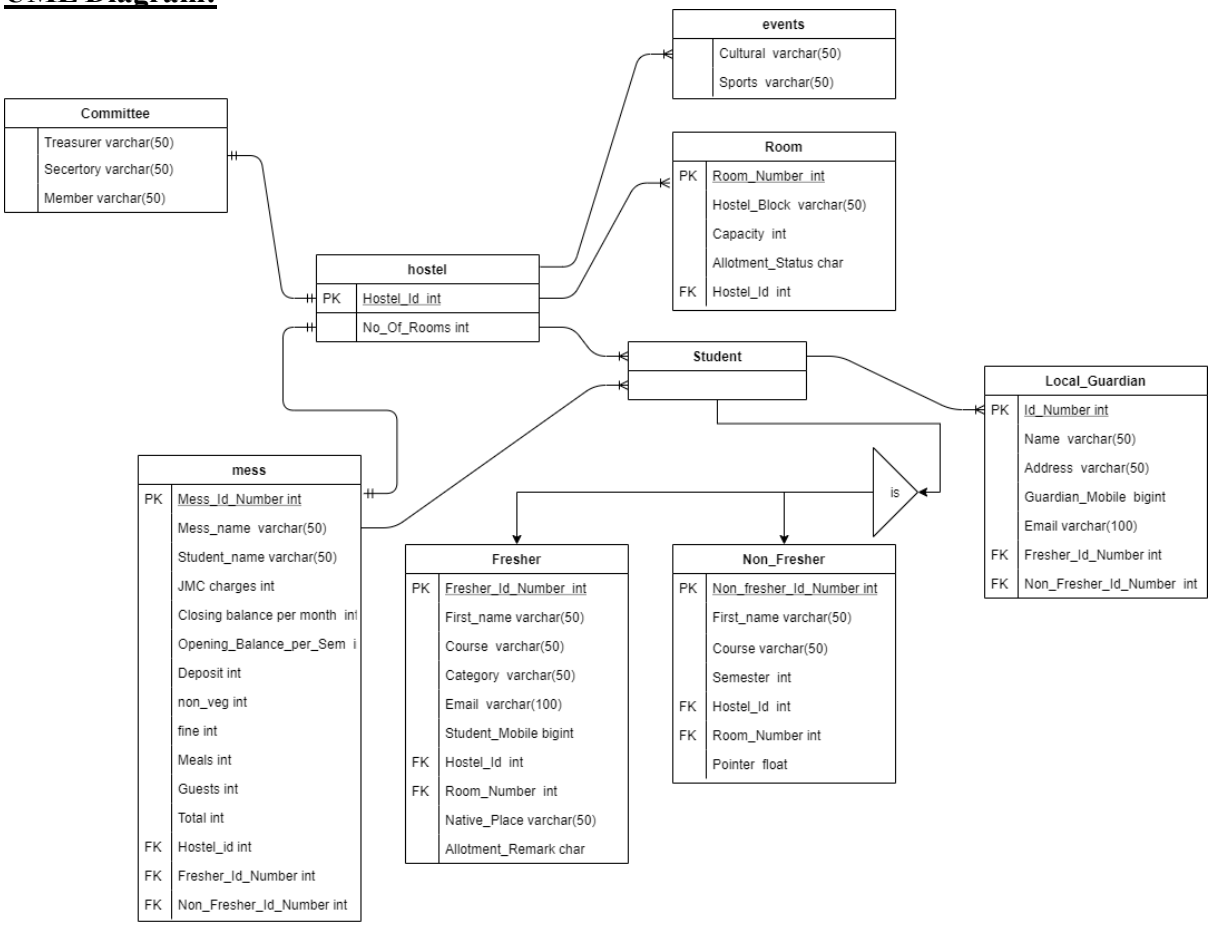
MySQL:: Used as database management system

XAMPP:: Used for hosting web server on local computer

PHP:: Tool used for creating the interface

phpMyAdmin:: Used for querying the dataset

UML Diagram:



UML diagram shows the relations between entities like many events are performed in hostel, hostel has a committee, one mess has many students, students are classified as fresher and non freshers etc.
Pointer is maintained for non freshers whereas merit number is the basis for room allocation of freshers.

Data Dictionary:

hdb

committee

Column	Type	Null	Default	Links to	Comments	Media (MIME) type
Treasurer	varchar(50)	No				
Secretory	varchar(50)	No				
Member1	varchar(50)	Yes	*NULL*			
Member2	varchar(50)	Yes	*NULL*			
hostel_id	int(11)	Yes	*NULL*	hostel -> Hostel_Id		

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
hostel_id	BTREE	No	No	hostel_id	1	A	Yes	

events

Column	Type	Null	Default	Links to	Comments	Media (MIME) type
Sport_Events	varchar(50)	Yes	*NULL*			
Cultural_Events	varchar(50)	Yes	*NULL*			
hostel_id	int(11)	Yes	*NULL*	hostel -> Hostel_Id		

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
hostel_id	BTREE	No	No	hostel_id	2	A	Yes	

fresher

Column	Type	Null	Default	Links to	Comments	Media (MIME) type
fresher_id_Number *(Primary)*	int(11)	No				
First_Name	varchar(50)	No				
Course	varchar(50)	No				
Category	varchar(50)	Yes	*NULL*			
Email	varchar(50)	Yes	*NULL*			
Student_Mobile	bigint(20)	No				
Hostel_Id	int(11)	Yes	*NULL*	hostel -> Hostel_Id		
Room_No	int(11)	Yes	*NULL*	room -> Room_No		
Native_Place	varchar(255)	Yes	*NULL*			
Allotment_Remark	varchar(10)	Yes	*NULL*			

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	fresher_id_Number	15	A	No	

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Hostel_Id	BTREE	No	No	Hostel_Id	2	A	Yes	
Room_No	BTREE	No	No	Room_No	15	A	Yes	

guardian

Column	Type	Null	Default	Links to	Comments	Media (MIME) type
Guardian_Id *(Primary)*	bigint(20)	No				
Guardian_Name	varchar(100)	Yes	*NULL*			
Address	varchar(100)	Yes	*NULL*			
Guardian_Mobile	bigint(20)	Yes	*NULL*			
Guardian_Email	varchar(100)	Yes	*NULL*			
fresher_id_Number	int(11)	Yes	*NULL*	fresher -> fresher_id_Number		
non_fresher_id_Number	int(11)	Yes	*NULL*	non_fresher -> non_fresher_id_Number		

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	Guardian_Id	2	A	No	
fresher_id_Number	BTREE	No	No	fresher_id_Number	2	A	Yes	
non_fresher_id_Number	BTREE	No	No	non_fresher_id_Number	2	A	Yes	

hostel

Column	Type	Null	Default	Links to	Comments	Media (MIME) type
Hostel_Id *(Primary)*	int(11)	No				
Hostel_Name	varchar(50)	Yes	*NULL*			
No_Of_Rooms	int(11)	Yes	*NULL*			
Hostel_Block	char(1)	Yes	*NULL*			

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	Hostel_Id	4	A	No	

mess

Column	Type	Null	Default	Links to	Comments	Media (MIME) type
mess_ID_Number *(Primary)*	bigint(20)	No				
fresher_id_Number	int(11)	Yes	*NULL*	fresher -> fresher_id_Number		
non_fresher_id_Number	int(11)	Yes	*NULL*	non_fresher -> non_fresher_id_Number		
student_name	varchar(50)	No				
Mess_name	varchar(10)	No				
Opening_Balance_Per_Sem	int(11)	No				

Closing_Balance_Per_Sem	int(11)	No				
JMC_Charges	int(11)	No	5000			
Deposit	int(11)	Yes	*NULL*			
Hostel_Id	int(11)	Yes	*NULL*	hostel -> Hostel_Id		
Meals	int(11)	Yes	*NULL*			
Guests	int(11)	Yes	*NULL*			
Fine	int(11)	Yes	*NULL*			
Non_Veg	int(11)	Yes	*NULL*			
Total	int(11)	Yes	*NULL*			

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	mess_ID_Number	60	A	No	
fk_1	BTREE	No	No	non_fresher_id_Number	60	A	Yes	
fk_2	BTREE	No	No	fresher_id_Number	60	A	Yes	
Hostel_Id	BTREE	No	No	Hostel_Id	8	A	Yes	

non_fresher

Column	Type	Null	Default	Links to	Comments	Media (MIME) type
non_fresher_id_Number *(Primary)*	int(11)	No				
first_name	varchar(50)	No				
course	varchar(50)	No				
semester	int(11)	No				
Hostel_Id	int(11)	Yes	*NULL*	hostel -> Hostel_Id		
Room_No	int(11)	Yes	*NULL*	room -> Room_No		
Pointer	float	No				

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	non_fresher_id_Number	45	A	No	
Hostel_Id	BTREE	No	No	Hostel_Id	6	A	Yes	
Room_No	BTREE	No	No	Room_No	45	A	Yes	

room

Column	Type	Null	Default	Links to	Comments	Media (MIME) type
Room_No *(Primary)*	int(11)	No				
Hostel_Id	int(11)	Yes	*NULL*	hostel -> Hostel_Id		
students_name	varchar(50)	Yes	*NULL*			
hostel_Block	char(1)	No				
capacity	int(11)	No				
Allotment_Status	varchar(10)	Yes	*NULL*			

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	Room_No	20	A	No	
Hostel_Id	BTREE	No	No	Hostel_Id	10	A	Yes	

DDL:

DDL includes create and drop queries. The following queries have been used in database creation:

```
create table Hostel(
        Hostel_Id int not null primary key,
        Hostel_Name varchar(50),
        No_Of_Rooms int,
        Hostel_Block char
);

create table Room(
        Room_No int not null primary key,
        Hostel_Id int ,
        students_name varchar(50) ,
        hostel_Block char not null,
        capacity int not null,
        Allotment_Status varchar(10),
        foreign key(Hostel_Id) references Hostel(Hostel_Id)
);

create table Fresher(
        fresher_id_Number int not null primary key AUTO_INCREMENT,
        First_Name varchar(50) not null,
        Course varchar(50) not null,
        Category varchar(50) ,
        Email varchar(50) ,
        Student_Mobile bigint not null,
        Hostel_Id int,
        Room_No int,
        Native_Place varchar(255),
        Allotment_Remark varchar(10),
        foreign key (Hostel_Id) references Hostel(Hostel_Id),
        foreign key (Room_No) references Room(Room_No)
);

create table Non_Fresher(
        non_fresher_id_Number int not null primary key AUTO_INCREMENT,
        first_name varchar(50) not null,
        course varchar(50) not null,
        semester int not null,
        Hostel_Id int,
```

```
	Room_No int,
	Pointer float not null,
	foreign key (Hostel_Id) references Hostel (Hostel_Id),
	foreign key (Room_No) references Room (Room_No)

);

create table Mess(
	mess_ID_Number serial primary key,
	fresher_id_Number int,
	non_fresher_id_Number int,
	student_name varchar(50) not null,
	Mess_name varchar(10) not null,
	Opening_Balance_Per_Sem int not null,
	Closing_Balance_Per_Sem int not null,
	JMC_Charges int not null default 5000,
	Deposit int,
	Hostel_Id int,
	Meals int,
	Guests int,
	Fine int,
	Non_Veg int,
	Total int,

	constraint fk_1 foreign Key (non_fresher_id_Number) references Non_Fresher
(non_fresher_id_Number),
	constraint fk_2 foreign Key (fresher_id_Number) references Fresher
(fresher_id_Number),
	foreign Key (Hostel_Id) references Hostel (Hostel_Id)

);

create table Committee(
	Treasurer varchar(50) not null,
	Secretory varchar(50) not null,
	Member1 Varchar(50) ,
	Member2 varchar(50),
	hostel_id int ,
	foreign key(hostel_id) references hostel (hostel_id)

);

create table Events(
		Sport_Events varchar(50),
		Cultural_Events Varchar(50),
		hostel_id int ,
		foreign key(hostel_id) references hostel (hostel_id)
	);

create table Guardian(
```

```
        Guardian_Id serial not null primary key,
        Guardian_Name varchar(100),
        Address varchar(100),
        Guardian_Mobile bigint ,
        Guardian_Email varchar(100),
        fresher_id_Number int,
        non_fresher_id_Number int,
        foreign key (fresher_id_Number) references fresher(fresher_id_Number),
        foreign key (non_fresher_id_Number) references
Non_Fresher(non_fresher_id_Number)
);
```

DML & DCL:

DML includes insert, update and select queries. Here are a few examples of queries used in the database:

```
insert into Hostel values(1,'Hostel A',30,'A');
insert into Hostel values(2,'Hostel B',30,'B');
insert into Hostel values(3,'Hostel C',30,'C');
insert into Hostel values(4,'Hostel D',30,'D');

insert into room (room_no,hostel_id,students_name,hostel_block,capacity,allotment_status)
values(1,1,'Kapil,Hrishikesh,Gaurav','A',3,'Full');
insert into room (room_no,hostel_id,students_name,hostel_block,capacity,allotment_status)
values(2,1,'Hrushikesh,Rishabh,Pratik','A',3,'Full');
insert into room (room_no,hostel_id,students_name,hostel_block,capacity,allotment_status)
values(3,1,'Tejas,Soham,Anshul','A',3,'Full');
insert into room (room_no,hostel_id,students_name,hostel_block,capacity,allotment_status)
values(4,1,'Prathmesh,Siddhesh,Jayant','A',3,'Full');
insert into room (room_no,hostel_id,students_name,hostel_block,capacity,allotment_status)
values(5,1,'Pratik,Sanjay,Ranjan','A',3,'Full');



ALTER TABLE Fresher AUTO_INCREMENT=101;

insert into fresher
(first_name,course,category,email,student_mobile,hostel_id,room_no,native_place,allotment
_remark) values('kapil','IT','OBC','kapil@gmail.com','9876543210',1,2,'Telhara','y');
insert into fresher
(first_name,course,category,email,student_mobile,hostel_id,room_no,native_place,allotment
_remark)
values('hrishikesh','EXTC','OBC','hrishikesh@gmail.com','9876543211',1,2,'Akot','y');
insert into fresher
(first_name,course,category,email,student_mobile,hostel_id,room_no,native_place,allotment
_remark) values('Gaurav','IT','OBC','gaurav@gmail.com','9876543212',1,2,'Nagpur','y');
insert into fresher
(first_name,course,category,email,student_mobile,hostel_id,room_no,native_place,allotment
_remark)
values('hrushikesh','IT','NT','hrushikesh@gmail.com','9876543213',1,1,'Aurangabad','y');
```

```
ALTER TABLE Non_Fresher AUTO_INCREMENT=1;

insert into non_fresher (first_name,course,semester,hostel_id,room_no,pointer)
values('Ram','CS',2,2,6,8.1);
insert into non_fresher (first_name,course,semester,hostel_id,room_no,pointer)
values('Shayam','CS',2,2,6,9.2);
insert into non_fresher (first_name,course,semester,hostel_id,room_no,pointer)
values('Raj','CS',2,2,6,7.5);
insert into non_fresher (first_name,course,semester,hostel_id,room_no,pointer)
values('Ajay','IT',2,2,7,8.15);
insert into non_fresher (first_name,course,semester,hostel_id,room_no,pointer)
values('Vijay','IT',2,2,7,7.6);

insert into Mess
(non_fresher_id_Number,student_name,Mess_name,Opening_Balance_Per_Sem,Closing_Ba
lance_Per_Sem,Deposit,Hostel_Id,meals,Guests,Fine,Non_Veg,Total) values(1,'Ram','Mess
B',10000,1000,5000,2,60,0,0,0,1500);
insert into Mess
(non_fresher_id_Number,student_name,Mess_name,Opening_Balance_Per_Sem,Closing_Ba
lance_Per_Sem,Deposit,Hostel_Id,meals,Guests,Fine,Non_Veg,Total)
values(2,'Shayam','Mess B',10000,1000,5000,2,60,0,0,0,1500);
insert into Mess
(non_fresher_id_Number,student_name,Mess_name,Opening_Balance_Per_Sem,Closing_Ba
lance_Per_Sem,Deposit,Hostel_Id,meals,Guests,Fine,Non_Veg,Total) values(3,'Raj','Mess
B',10000,1000,5000,2,60,0,0,0,1500);
insert into Mess
(non_fresher_id_Number,student_name,Mess_name,Opening_Balance_Per_Sem,Closing_Ba
lance_Per_Sem,Deposit,Hostel_Id,meals,Guests,Fine,Non_Veg,Total) values(4,'Ajay','Mess
B',10000,1000,5000,2,60,0,0,0,1500);
insert into Mess
(non_fresher_id_Number,student_name,Mess_name,Opening_Balance_Per_Sem,Closing_Ba
lance_Per_Sem,Deposit,Hostel_Id,meals,Guests,Fine,Non_Veg,Total) values(5,'Vijay','Mess
B',10000,1000,5000,2,60,0,0,0,1500);

insert into Committee values('Kapil Bhise','Tejas Bhatambarekar','Prathmesh
Chandwade','Gaurav Chambhare', 1);

insert into Events values('cricket','Dahi-Handi',1),('Footbal','Ganeshostav',1);

insert into Guardian
(Guardian_Name,Address,Guardian_Mobile,Guardian_Email,non_fresher_id_Number)
values('Rajan Girhe','Mumbai',9998889988,'rajan1@gmail.com',1);
insert into Guardian
(Guardian_Name,Address,Guardian_Mobile,Guardian_Email,fresher_id_Number)
values('Rohit Kale','New Mumbai',9998889989,'rhit@gmail.com',109);
```

Questions & Queries:

--Q1) Dispaly Hostel

```
select * from Hostel;
```

+ Options

	Hostel_Id	Hostel_Name	No_Of_Rooms	Hostel_Block
Edit Copy Delete	1	Hostel A	30	A
Edit Copy Delete	2	Hostel B	30	B
Edit Copy Delete	3	Hostel C	30	C
Edit Copy Delete	4	Hostel D	30	D

Check all With selected: Edit Copy Delete Export

--Q2)Display Hostel having hostel id 1.

```
select * from hostel where Hostel_Id=1;
```

+ Options

	Hostel_Id	Hostel_Name	No_Of_Rooms	Hostel_Block
Edit Copy Delete	1	Hostel A	30	A

Check all With selected: Edit Copy Delete Export

--Q3)Display hostel idd and hostel name having hostel id 2.

```
select Hostel_Id,Hostel_Name from Hostel where Hostel_Id=2;
```

+ Options

	Hostel_Id	Hostel_Name
Edit Copy Delete	2	Hostel B

Check all With selected: Edit Copy Delete Export

--Q4)Update Hostel C to 'New Hostel C'.

```
update Hostel
set Hostel_Name='New Hostel C'
where Hostel_Id=3;
```

+ Options

	Hostel_Id	Hostel_Name	No_Of_Rooms	Hostel_Block
Edit Copy Delete	1	Hostel A	30	A
Edit Copy Delete	2	Hostel B	30	B
Edit Copy Delete	3	New Hostel C	30	C
Edit Copy Delete	4	Hostel D	30	D

Check all With selected: Edit Copy Delete Export

--Q5)Add column to hostel naming Hostel_Type.

```
alter table Hostel
```

add column Hostel_Type varchar(50);

+ Options

	Hostel_Id	Hostel_Name	No_Of_Rooms	Hostel_Block	Hostel_Type
Edit Copy Delete	1	Hostel A	30	A	*NULL*
Edit Copy Delete	2	Hostel B	30	B	*NULL*
Edit Copy Delete	3	New Hostel C	30	C	*NULL*
Edit Copy Delete	4	Hostel D	30	D	*NULL*

Check all *With selected:* Edit Copy Delete Export

--Q6)Drop the Hostel_Type column.

```
alter table Hostel
drop column Hostel_Type;
```

+ Options

	Hostel_Id	Hostel_Name	No_Of_Rooms	Hostel_Block
Edit Copy Delete	1	Hostel A	30	A
Edit Copy Delete	2	Hostel B	30	B
Edit Copy Delete	3	New Hostel C	30	C
Edit Copy Delete	4	Hostel D	30	D

--Q7)Display complete Room Table.

```
select * from Room;
```

- Options

	Room_No	Hostel_Id	students_name	hostel_Block	capacity	Allotment_Status
Edit Copy Delete	1	1	Kapil,Hrishikesh,Gaurav	A	3	Full
Edit Copy Delete	2	1	Hrushikesh,Rishabh,Pratik	A	3	Full
Edit Copy Delete	3	1	Tejas,Soham,Anshul	A	3	Full
Edit Copy Delete	4	1	Prathmesh,Siddhesh,Jayant	A	3	Full
Edit Copy Delete	5	1	Pratik,Sanjay,Ranjan	A	3	Full
Edit Copy Delete	6	2	Ram,Shayam,Raj	B	3	Full
Edit Copy Delete	7	2	Ajay,Vijay,Rahul	B	3	Full
Edit Copy Delete	8	2	Arnav,Aniket,Aarav	B	3	Full
Edit Copy Delete	9	2	Aditya,Sanket,Mrunal	B	3	Full
Edit Copy Delete	10	2	Chaitanya,Shivam,Tejas	B	3	Full
Edit Copy Delete	11	3	Dnyanesh,Hitesh,Shantanu	C	3	Full
Edit Copy Delete	12	3	Om,Jay,Jagdish	C	3	Full
Edit Copy Delete	13	3	Jay,Luv,Kush	C	3	Full
Edit Copy Delete	14	3	Shailesh,Jayesh,Rajesh	C	3	Full
Edit Copy Delete	15	3	Utkarsh,Aakash,Hrishi	C	3	Full
Edit Copy Delete	16	4	Yash,Samrat,Pavan	D	3	Full
Edit Copy Delete	17	4	Prashant,Abishek,Vaibhav	D	3	Full
Edit Copy Delete	18	4	Crehan,Sumit,Pratik	D	3	Full
Edit Copy Delete	19	4	Aakash,Ganadhish,Ganesh	D	3	Full
Edit Copy Delete	20	4	Uday,Raj,Aditya	D	3	Full

Console Check all *With selected:* Edit Copy Delete Export

--Q8)Display Room having room no 3.

```
select * from Room
where Room_No=3;
```

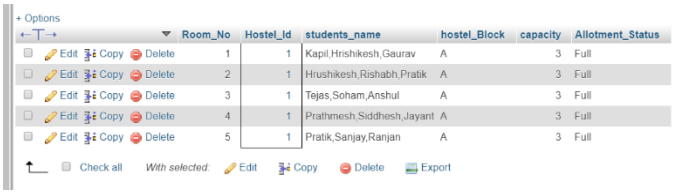
+ Options

	Room_No	Hostel_Id	students_name	hostel_Block	capacity	Allotment_Status
Edit Copy Delete	3	1	Tejas,Soham,Anshul	A	3	Full

Check all *With selected:* Edit Copy Delete Export

--Q9)Display complete room table having hostelid 1.

```
select * from Room
where Hostel_Id=1;
```



--Q10)Insert a row in room table.

```
insert into room (room_no,hostel_id,students_name,hostel_block,capacity,allotment_status)
values(21,1,'Krishna,Abhi,Manoj','A',3,'Full');
```

+ Options

	Room_No	Hostel_Id	students_name	hostel_Block	capacity	Allotment_Status
Edit Copy Delete	1	1	Kapil,Hrishikesh,Gaurav	A	3	Full
Edit Copy Delete	2	1	Hrushikesh,Rishabh,Pratik	A	3	Full
Edit Copy Delete	3	1	Tejas,Soham,Anshul	A	3	Full
Edit Copy Delete	4	1	Prathmesh,Siddhesh,Jayant	A	3	Full
Edit Copy Delete	5	1	Pratik,Sanjay,Ranjan	A	3	Full
Edit Copy Delete	6	2	Ram,Shayam,Raj	B	3	Full
Edit Copy Delete	7	2	Ajay,Vijay,Rahul	B	3	Full
Edit Copy Delete	8	2	Arnav,Aniket,Aarav	B	3	Full
Edit Copy Delete	9	2	Aditya,Sanket,Mrunal	B	3	Full
Edit Copy Delete	10	2	Chaitanya,Shivam,Tejas	B	3	Full
Edit Copy Delete	11	3	Dnyanesh,Hitesh,Shantanu	C	3	Full
Edit Copy Delete	12	3	Om,Jay,Jagdish	C	3	Full
Edit Copy Delete	13	3	Jay,Luv,Kush	C	3	Full
Edit Copy Delete	14	3	Shailesh,Jayesh,Rajesh	C	3	Full
Edit Copy Delete	15	3	Utkarsh,Aakash,Hrishi	C	3	Full
Edit Copy Delete	16	4	Yash,Samrat,Pavan	D	3	Full
Edit Copy Delete	17	4	Prashant,Abishek,Vaibhav	D	3	Full
Edit Copy Delete	18	4	Crehan,Sumit,Pratik	D	3	Full
Edit Copy Delete	19	4	Aakash,Ganadhish,Ganesh	D	3	Full
Edit Copy Delete	20	4	Uday,Raj,Aditya	D	3	Full
Edit Copy Delete	21	1	Krishna,Abhi,Manoj	A	3	Full

--Q11)delete entry having name Krishna.

```
delete from Room
where Room_No=21;
```

+ Options

	Room_No	Hostel_Id	students_name	hostel_Block	capacity	Allotment_Status
Edit Copy Delete	1	1	Kapil,Hrishikesh,Gaurav	A	3	Full
Edit Copy Delete	2	1	Hrushikesh,Rishabh,Pratik	A	3	Full
Edit Copy Delete	3	1	Tejas,Soham,Anshul	A	3	Full
Edit Copy Delete	4	1	Prathmesh,Siddhesh,Jayant	A	3	Full
Edit Copy Delete	5	1	Pratik,Sanjay,Ranjan	A	3	Full
Edit Copy Delete	6	2	Ram,Shayam,Raj	B	3	Full
Edit Copy Delete	7	2	Ajay,Vijay,Rahul	B	3	Full
Edit Copy Delete	8	2	Arnav,Aniket,Aarav	B	3	Full
Edit Copy Delete	9	2	Aditya,Sanket,Mrunal	B	3	Full
Edit Copy Delete	10	2	Chaitanya,Shivam,Tejas	B	3	Full
Edit Copy Delete	11	3	Dnyanesh,Hitesh,Shantanu	C	3	Full
Edit Copy Delete	12	3	Om,Jay,Jagdish	C	3	Full
Edit Copy Delete	13	3	Jay,Luv,Kush	C	3	Full
Edit Copy Delete	14	3	Shailesh,Jayesh,Rajesh	C	3	Full
Edit Copy Delete	15	3	Utkarsh,Aakash,Hrishi	C	3	Full
Edit Copy Delete	16	4	Yash,Samrat,Pavan	D	3	Full
Edit Copy Delete	17	4	Prashant,Abishek,Vaibhav	D	3	Full
Edit Copy Delete	18	4	Crehan,Sumit,Pratik	D	3	Full
Edit Copy Delete	19	4	Aakash,Ganadhish,Ganesh	D	3	Full
Edit Copy Delete	20	4	Uday,Raj,Aditya	D	3	Full

--Q12)Add a column in room named room description.
alter table Room
add column Room_Description varchar(255);

- Options

	Room_No	Hostel_Id	students_name	hostel_Block	capacity	Allotment_Status	Room_Description
Edit Copy Delete	1	1	Kapil,Hrishikesh,Gaurav	A	3	Full	NULL
Edit Copy Delete	2	1	Hrushikesh,Rishabh,Pratik	A	3	Full	NULL
Edit Copy Delete	3	1	Tejas,Soham,Anshul	A	3	Full	NULL
Edit Copy Delete	4	1	Prathmesh,Siddhesh,Jayant	A	3	Full	NULL
Edit Copy Delete	5	1	Pratik,Sanjay,Ranjan	A	3	Full	NULL
Edit Copy Delete	6	2	Ram,Shayam,Raj	B	3	Full	NULL
Edit Copy Delete	7	2	Ajay,Vijay,Rahul	B	3	Full	NULL
Edit Copy Delete	8	2	Arnav,Aniket,Aarav	B	3	Full	NULL
Edit Copy Delete	9	2	Aditya,Sanket,Mrunal	B	3	Full	NULL
Edit Copy Delete	10	2	Chaitanya,Shivam,Tejas	B	3	Full	NULL
Edit Copy Delete	11	3	Dnyanesh,Hitesh,Shantanu	C	3	Full	NULL
Edit Copy Delete	12	3	Om,Jay,Jagdish	C	3	Full	NULL
Edit Copy Delete	13	3	Jay,Luv,Kush	C	3	Full	NULL
Edit Copy Delete	14	3	Shailesh,Jayesh,Rajesh	C	3	Full	NULL
Edit Copy Delete	15	3	Utkarsh,Aakash,Hrishi	C	3	Full	NULL
Edit Copy Delete	16	4	Yash,Samrat,Pavan	D	3	Full	NULL
Edit Copy Delete	17	4	Prashant,Abishek,Vaibhav	D	3	Full	NULL
Edit Copy Delete	18	4	Crehan,Sumit,Pratik	D	3	Full	NULL
Edit Copy Delete	19	4	Aakash,Ganadhish,Ganesh	D	3	Full	NULL
Edit Copy Delete	20	4	Uday,Raj,Aditya	D	3	Full	NULL

--Q13) Drop the room description column.
ALTER table Room
drop column Room_Description;

+ Options

	Room_No	Hostel_Id	students_name	hostel_Block	capacity	Allotment_Status
Edit Copy Delete	1	1	Kapil,Hrishikesh,Gaurav	A	3	Full
Edit Copy Delete	2	1	Hrushikesh,Rishabh,Pratik	A	3	Full
Edit Copy Delete	3	1	Tejas,Soham,Anshul	A	3	Full
Edit Copy Delete	4	1	Prathmesh,Siddhesh,Jayant	A	3	Full
Edit Copy Delete	5	1	Pratik,Sanjay,Ranjan	A	3	Full
Edit Copy Delete	6	2	Ram,Shayam,Raj	B	3	Full
Edit Copy Delete	7	2	Ajay,Vijay,Rahul	B	3	Full
Edit Copy Delete	8	2	Arnav,Aniket,Aarav	B	3	Full
Edit Copy Delete	9	2	Aditya,Sanket,Mrunal	B	3	Full
Edit Copy Delete	10	2	Chaitanya,Shivam,Tejas	B	3	Full
Edit Copy Delete	11	3	Dnyanesh,Hitesh,Shantanu	C	3	Full
Edit Copy Delete	12	3	Om,Jay,Jagdish	C	3	Full
Edit Copy Delete	13	3	Jay,Luv,Kush	C	3	Full
Edit Copy Delete	14	3	Shailesh,Jayesh,Rajesh	C	3	Full
Edit Copy Delete	15	3	Utkarsh,Aakash,Hrishi	C	3	Full
Edit Copy Delete	16	4	Yash,Samrat,Pavan	D	3	Full
Edit Copy Delete	17	4	Prashant,Abishek,Vaibhav	D	3	Full
Edit Copy Delete	18	4	Crehan,Sumit,Pratik	D	3	Full
Edit Copy Delete	19	4	Aakash,Ganadhish,Ganesh	D	3	Full

Console

--Q14)Display Fresher

select * from Fresher;

+ Options

	fresher_id_Number	First_Name	Course	Category	Email	Student_Mobile	Hostel_Id	Room_No	Native_Place	Allotment_Remark
Edit Copy Delete	101	kapil	IT	OBC	kapil@gmail.com	9876543210	1	2	Telhara	y
Edit Copy Delete	102	hrishikesh	EXTC	OBC	hrishikesh@gmail.com	9876543211	1	2	Akot	y
Edit Copy Delete	103	Gaurav	IT	OBC	gaurav@gmail.com	9876543212	1	2	Nagpur	y
Edit Copy Delete	104	hrushikesh	IT	NT	hrushikesh@gmail.com	9876543213	1	1	Aurangabad	y
Edit Copy Delete	105	Rishabh	IT	OPEN	rishabh@gmail.com	9876543214	1	1	Pune	y
Edit Copy Delete	106	Pratik	IT	OPEN	pratik@gmail.com	9876543215	1	1	Pune	y
Edit Copy Delete	107	tejas	IT	OPEN	tejas@gmail.com	9876543216	1	3	Usmanabad	y
Edit Copy Delete	108	soham	IT	OBC	soham@gmail.com	9876543217	1	3	Jalgaon	y
Edit Copy Delete	109	Anshul	CS	OBC	anshul@gmail.com	9876543218	1	3	Nagpur	y
Edit Copy Delete	110	prathmesh	IT	NT	prathmesh@gmail.com	9876543219	1	4	Aurangabad	y
Edit Copy Delete	111	Siddhesh	IT	OBC	siddhesh@gmail.com	9876543220	1	4	Amravati	y
Edit Copy Delete	112	Jayant	MECH	SC	jayant@gmail.com	9876543221	1	4	Ratnagiri	y
Edit Copy Delete	113	Pratik	EXTC	OBC	pratiks@gmail.com	9876543222	1	5	Buldhana	y
Edit Copy Delete	114	sanjay	EXTC	SC	sanjay@gmail.com	9876543223	1	5	Ratnagiri	y
Edit Copy Delete	115	Ranjan	EXTC	SC	ranjan@gmail.com	9876543224	1	5	Ratnagiri	y

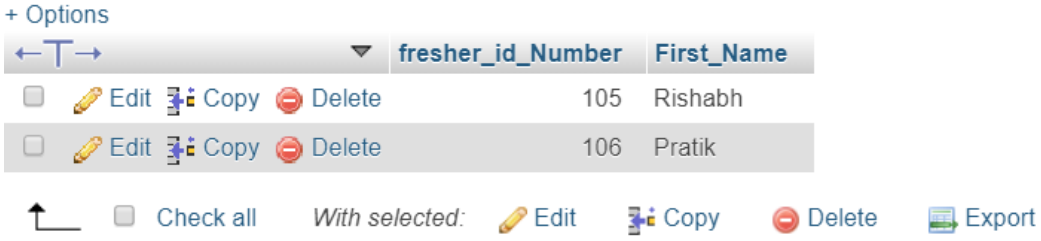
--Q15)Display details of fresher having name ranjan.
select * from Fresher
where First_Name='Ranjan';

Options

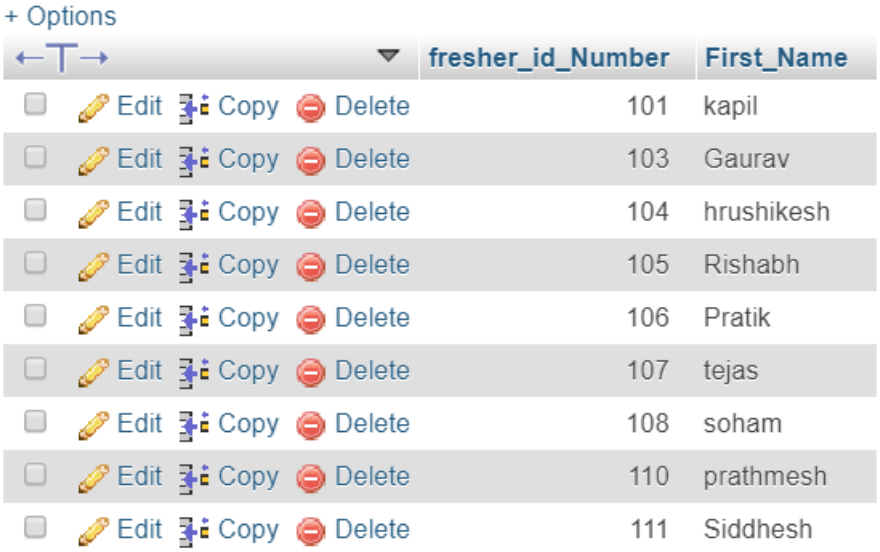
	fresher_id_Number	First_Name	Course	Category	Email	Student_Mobile	Hostel_Id	Room_No	Native_Place	Allotment_Remark
Edit Copy Delete	115	Ranjan	EXTC	SC	ranjan@gmail.com	9876543224	1	5	Ratnagiri	y

Check all With selected: Edit Copy Delete Export

--Q16)Display id nad name of freshers having 'Pune' as a native place.
select fresher_id_Number,First_Name from Fresher
where Native_Place='Pune';



--Q17) Display freshers studying in 'IT'.
select fresher_id_Number,First_Name from Fresher
where Course='IT';



--Q18)Display Students name living in room no 4.
select First_Name from fresher
where Room_No=4;

+ Options

	First_Name
Edit Copy Delete	prathmesh
Edit Copy Delete	Siddhesh
Edit Copy Delete	Jayant

Check all With selected: Edit Copy Delete Export

--Q19)Dispaly students name having room no less than 3.
select First_Name from fresher
where Room_No<3;

+ Options

	First_Name
Edit Copy Delete	kapil
Edit Copy Delete	hrishikesh
Edit Copy Delete	Gaurav
Edit Copy Delete	hrushikesh
Edit Copy Delete	Rishabh
Edit Copy Delete	Pratik

--Q20)Dispaly details of students having name starts with R.
select * from fresher
where First_Name like 'R%';

+ Options

	fresher_id_Number	First_Name	Course	Category	Email	Student_Mobile	Hostel_Id	Room_No	Native_Place	Allotment_Remark
Edit Copy Delete	105	Rishabh	IT	OPEN	rishabh@gmail.com	9876543214	1	1	Pune	y
Edit Copy Delete	115	Ranjan	EXTC	SC	ranjan@gmail.com	9876543224	1	5	Ratnagiri	y

Check all With selected: Edit Copy Delete Export

--Q21)Display the number of freshers.
select count(fresher_id_Number)
from Fresher;

count(fresher_id_Number)
15

--Q22)Dispay id and names of students in fresher arranged in acsending order of fresher name.
select fresher_id_Number,First_Name From Fresher
order by first_name;

+ Options

	fresher_id_Number	First_Name
Edit Copy Delete	109	Anshul
Edit Copy Delete	103	Gaurav
Edit Copy Delete	102	hrishikesh
Edit Copy Delete	104	hrushikesh
Edit Copy Delete	112	Jayant
Edit Copy Delete	101	kapil
Edit Copy Delete	110	prathmesh
Edit Copy Delete	113	Pratik
Edit Copy Delete	106	Pratik
Edit Copy Delete	115	Ranjan
Edit Copy Delete	105	Rishabh
Edit Copy Delete	114	sanjay
Edit Copy Delete	111	Siddhesh
Edit Copy Delete	108	soham
Edit Copy Delete	107	tejas

--Q23)Display students in room no 1,3,5.

```
select * from fresher
where Room_No in (1,3,5);
```

+ Options

	fresher_id_Number	First_Name	Course	Category	Email	Student_Mobile	Hostel_Id	Room_No	Native_Place	Allotment_Remark
Edit Copy Delete	104	hrushikesh	IT	NT	hrushikesh@gmail.com	9876543213	1	1	Aurangabad	y
Edit Copy Delete	105	Rishabh	IT	OPEN	rishabh@gmail.com	9876543214	1	1	Pune	y
Edit Copy Delete	106	Pratik	IT	OPEN	pratik@gmail.com	9876543215	1	1	Pune	y
Edit Copy Delete	107	tejas	IT	OPEN	tejas@gmail.com	9876543216	1	3	Usmanabad	y
Edit Copy Delete	108	soham	IT	OBC	soham@gmail.com	9876543217	1	3	Jalgaon	y
Edit Copy Delete	109	Anshul	CS	OBC	anshul@gmail.com	9876543218	1	3	Nagpur	y
Edit Copy Delete	113	Pratik	EXTC	OBC	pratiks@gmail.com	9876543222	1	5	Buldhana	y
Edit Copy Delete	114	sanjay	EXTC	SC	sanjay@gmail.com	9876543223	1	5	Ratnagiri	y
Edit Copy Delete	115	Ranjan	EXTC	SC	ranjan@gmail.com	9876543224	1	5	Ratnagiri	y

--Q24)Display Students having category as 'OBC' in freshers.

```
select * from fresher
where Category='OBC';
```

+ Options

	fresher_id_Number	First_Name	Course	Category	Email	Student_Mobile	Hostel_Id	Room_No	Native_Place	Allotment_Remark
Edit Copy Delete	101	kapil	IT	OBC	kapil@gmail.com	9876543210	1	2	Telhara	y
Edit Copy Delete	102	hrishikesh	EXTC	OBC	hrishikesh@gmail.com	9876543211	1	2	Akot	y
Edit Copy Delete	103	Gaurav	IT	OBC	gaurav@gmail.com	9876543212	1	2	Nagpur	y
Edit Copy Delete	108	soham	IT	OBC	soham@gmail.com	9876543217	1	3	Jalgaon	y
Edit Copy Delete	109	Anshul	CS	OBC	anshul@gmail.com	9876543218	1	3	Nagpur	y
Edit Copy Delete	111	Siddhesh	IT	OBC	siddhesh@gmail.com	9876543220	1	4	Amravati	y
Edit Copy Delete	113	Pratik	EXTC	OBC	pratiks@gmail.com	9876543222	1	5	Buldhana	y

--Q25)Display Non_Fresher students.

```
select * from Non_Fresher;
```

non_fresher_id_Number	first_name	course	semester	Hostel_Id	Room_No	Pointer
1	Ram	CS	2	2	6	8.1
2	Shayam	CS	2	2	6	9.2
3	Raj	CS	2	2	6	7.5
4	Ajay	IT	2	2	7	8.15
5	Vijay	IT	2	2	7	7.6
6	Rahul	IT	2	2	7	8.5
7	Arnav	EXTC	2	2	8	9.4
8	Aniket	EXTC	2	2	8	8.3
9	Aarav	EXTC	2	2	8	8.1
10	Aditya	Electronics	2	2	9	8.4
11	Sanket	Electronics	2	2	9	8.6
12	Mrunal	Electronics	2	2	9	8.3
13	Chaitanya	MECH	2	2	10	7.4
14	Shivam	MECH	2	2	10	7.9
15	Tejas	MECH	2	2	10	8.8
16	Dnyanesh	CS	3	3	11	8.6
17	Hitesh	CS	3	3	11	8.9
18	Shantanu	CS	3	3	11	9.3
19	Om	IT	3	3	12	8
20	Jay	IT	3	3	12	8.6
21	Jagdish	IT	3	3	12	9.1
22	Jay	EXTC	3	3	13	8.2

Console

--Q26)select first name starting with A.
select First_Name from Non_Fresher
where First_Name like 'A%';

+ Options

First_Name
Ajay
Arnav
Aniket
Aarav
Aditya
Aakash
Abishek
Aakash
Aditya

Check all With selected: Edit Copy Delete Export

--Q27)Selct students having name ending with h.
select First_Name from Non_Fresher
where First_Name like '%h';

+ Options

	First_Name
Edit Copy Delete	Dnyanesh
Edit Copy Delete	Hitesh
Edit Copy Delete	Jagdish
Edit Copy Delete	Kush
Edit Copy Delete	Shailesh
Edit Copy Delete	Jayesh
Edit Copy Delete	Rajesh
Edit Copy Delete	Utkarsh
Edit Copy Delete	Aakash
Edit Copy Delete	Yash
Edit Copy Delete	Aakash
Edit Copy Delete	Ganadhish
Edit Copy Delete	Ganesh

Check all *With selected:* Edit Copy Delete Export

--Q28)Display students having pointer less than 9 and greater than 8.

```
select first_name,semester,Pointer from Non_Fresher
where pointer>8  and pointer<9;
```

	first_name	semester	Pointer
Edit Copy Delete	Ram	2	8.1
Edit Copy Delete	Ajay	2	8.15
Edit Copy Delete	Rahul	2	8.5
Edit Copy Delete	Aniket	2	8.3
Edit Copy Delete	Aarav	2	8.1
Edit Copy Delete	Aditya	2	8.4
Edit Copy Delete	Sanket	2	8.6
Edit Copy Delete	Mrunal	2	8.3
Edit Copy Delete	Tejas	2	8.8
Edit Copy Delete	Dnyanesh	3	8.6
Edit Copy Delete	Hitesh	3	8.9
Edit Copy Delete	Jay	3	8.6
Edit Copy Delete	Jay	3	8.2
Edit Copy Delete	Luv	3	8.3
Edit Copy Delete	Shailesh	3	8.4
Edit Copy Delete	Aakash	3	8.3
Edit Copy Delete	Samrat	4	8.5
Edit Copy Delete	Pavan	4	8.6
Edit Copy Delete	Prashant	4	8.2
Edit Copy Delete	Abishek	4	8.4
Edit Copy Delete	Vaibhav	4	8.8
Edit Copy Delete	Crehan	4	8.9

--Q29)display students who are studying MECH and in third year.
select * from Non_Fresher
where Course='MECH'and semester=3;

+ Options

	non_fresher_id_Number	first_name	course	semester	Hostel_Id	Room_No	Pointer
Edit Copy Delete	25	Shailesh	MECH	3	3	14	8.4
Edit Copy Delete	26	Jayesh	MECH	3	3	14	7.3
Edit Copy Delete	27	Rajesh	MECH	3	3	14	7.6

Check all With selected: Edit Copy Delete Export

--Q30)add a column Relatives to nonfreshers.
alter table Non_Fresher
add column Relatives varchar(255);

- Options

	non_fresher_id_Number	first_name	course	semester	Hostel_Id	Room_No	Pointer	Relatives
Edit Copy Delete	1	Ram	CS	2	2	6	8.1	NULL
Edit Copy Delete	2	Shayam	CS	2	2	6	9.2	NULL
Edit Copy Delete	3	Raj	CS	2	2	6	7.5	NULL
Edit Copy Delete	4	Ajay	IT	2	2	7	8.15	NULL
Edit Copy Delete	5	Vijay	IT	2	2	7	7.6	NULL
Edit Copy Delete	6	Rahul	IT	2	2	7	8.5	NULL
Edit Copy Delete	7	Arnav	EXTC	2	2	8	9.4	NULL
Edit Copy Delete	8	Aniket	EXTC	2	2	8	8.3	NULL
Edit Copy Delete	9	Aarav	EXTC	2	2	8	8.1	NULL
Edit Copy Delete	10	Aditya	Electronics	2	2	9	8.4	NULL
Edit Copy Delete	11	Sanket	Electronics	2	2	9	8.6	NULL
Edit Copy Delete	12	Mrunal	Electronics	2	2	9	8.3	NULL
Edit Copy Delete	13	Chaitanya	MECH	2	2	10	7.4	NULL
Edit Copy Delete	14	Shivam	MECH	2	2	10	7.9	NULL
Edit Copy Delete	15	Tejas	MECH	2	2	10	8.8	NULL
Edit Copy Delete	16	Dnyanesh	CS	3	3	11	8.6	NULL

--Q31)set relative name as'Gajanan Girhe, Telhara' of student having id 1.

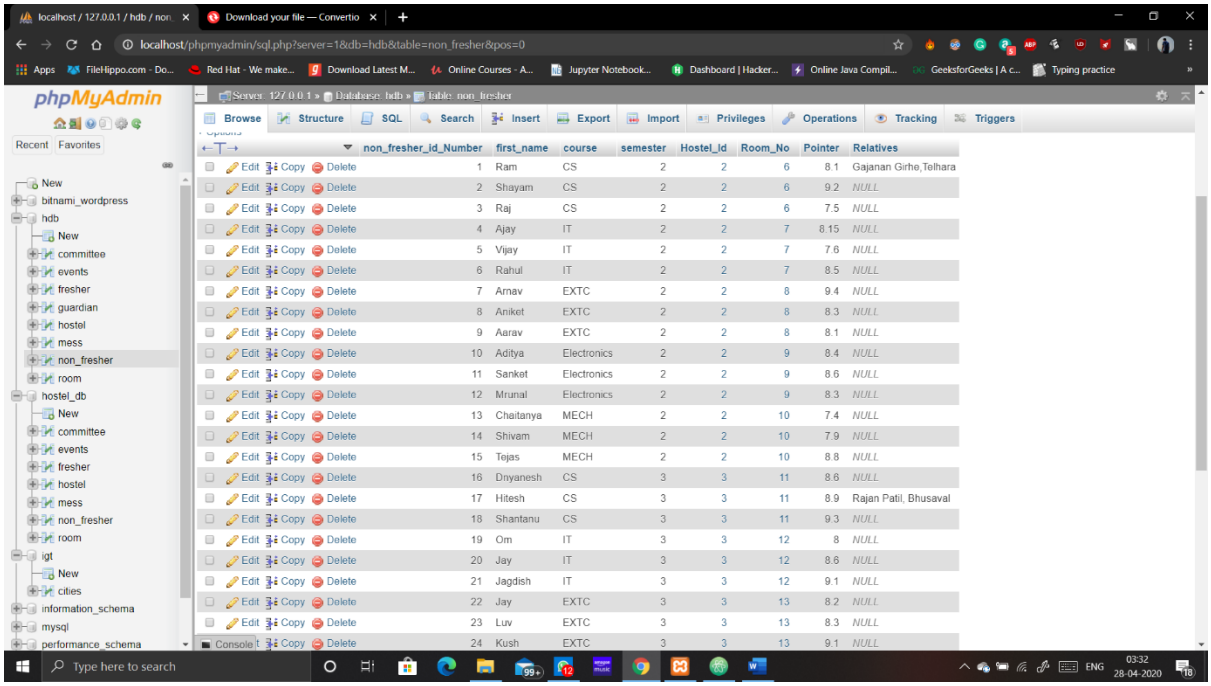
```
update  Non_Fresher
set Relatives='Gajanan Girhe,Telhara';
where non_fresher_id_Number=1;
```

+ Options

	non_fresher_id_Number	first_name	course	semester	Hostel_Id	Room_No	Pointer	Relatives
Edit Copy Delete	1	Ram	CS	2	2	6	8.1	Gajanan Girhe,Telhara
Edit Copy Delete	2	Shayam	CS	2	2	6	9.2	NULL
Edit Copy Delete	3	Raj	CS	2	2	6	7.5	NULL
Edit Copy Delete	4	Ajay	IT	2	2	7	8.15	NULL
Edit Copy Delete	5	Vijay	IT	2	2	7	7.6	NULL
Edit Copy Delete	6	Rahul	IT	2	2	7	8.5	NULL
Edit Copy Delete	7	Arnav	EXTC	2	2	8	9.4	NULL
Edit Copy Delete	8	Aniket	EXTC	2	2	8	8.3	NULL
Edit Copy Delete	9	Aarav	EXTC	2	2	8	8.1	NULL
Edit Copy Delete	10	Aditya	Electronics	2	2	9	8.4	NULL
Edit Copy Delete	11	Sanket	Electronics	2	2	9	8.6	NULL
Edit Copy Delete	12	Mrunal	Electronics	2	2	9	8.3	NULL
Edit Copy Delete	13	Chaitanya	MECH	2	2	10	7.4	NULL
Edit Copy Delete	14	Shivam	MECH	2	2	10	7.9	NULL
Edit Copy Delete	15	Tejas	MECH	2	2	10	8.8	NULL
Edit Copy Delete	16	Dnyanesh	CS	3	3	11	8.6	NULL
Edit Copy Delete	17	Hitesh	CS	3	3	11	8.9	NULL
Edit Copy Delete	18	Shantanu	CS	3	3	11	9.3	NULL
Edit Copy Delete	19	Om	IT	3	3	12	8	NULL
Edit Copy Delete	20	Jay	IT	3	3	12	8.6	NULL

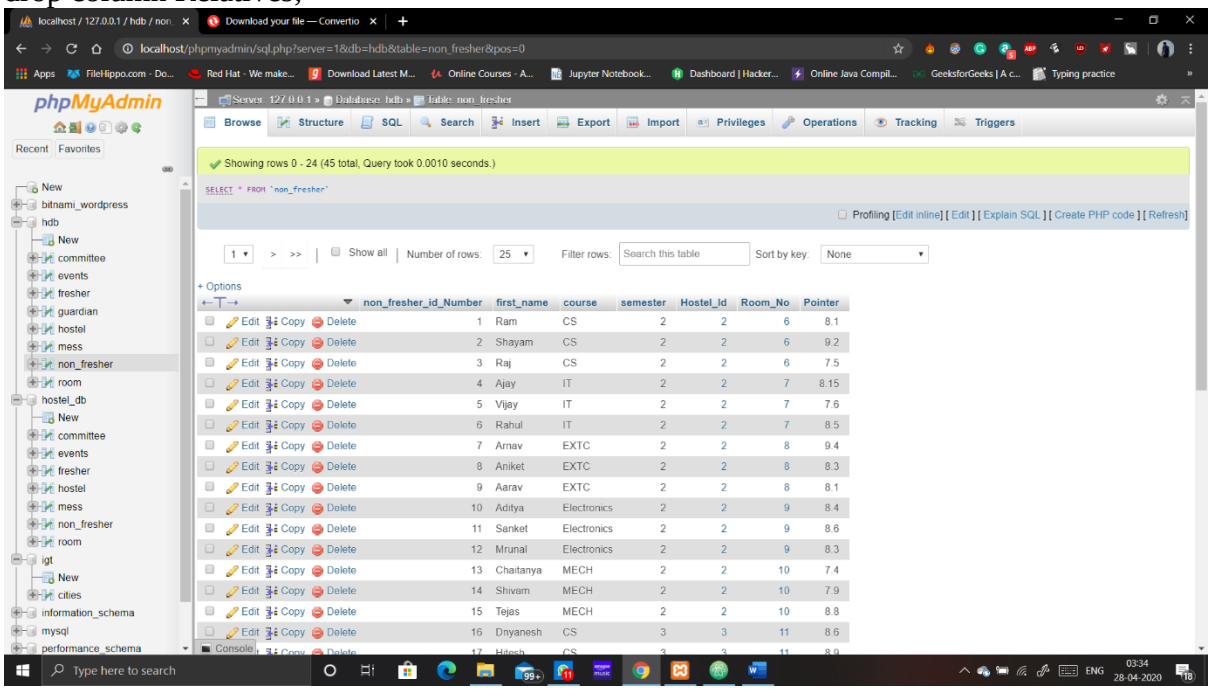
--Q32)set relative name as'Rajan Patil, Bhusaval' of student having hostel id 3 and pointer 8.9.

```
update Non_Fresher
set Relatives='Rajan Patil,Bhusaval'
where hostel_id=3 and pointer=8.9;
```



--Q33)Drop relatives table from Non freshers.

```
alter table Non_Fresher
drop column Relatives;
```



--Q34)Display students in fourth year.

```
select * from Non_Fresher
where semester=4;
```

	non_fresher_id_Number	first_name	course	semester	Hostel_Id	Room_No	Pointer
Edit Copy Delete	31	Yash	CS	4	4	16	9
Edit Copy Delete	32	Samrat	CS	4	4	16	8.5
Edit Copy Delete	33	Pavan	CS	4	4	16	8.6
Edit Copy Delete	34	Prashant	IT	4	4	17	8.2
Edit Copy Delete	35	Abishek	IT	4	4	17	8.4
Edit Copy Delete	36	Vaibhav	IT	4	4	17	8.8
Edit Copy Delete	37	Crehan	EXTC	4	4	18	8.9
Edit Copy Delete	38	Sumit	EXTC	4	4	18	7.9
Edit Copy Delete	39	Pratik	EXTC	4	4	18	7.6
Edit Copy Delete	40	Aakash	MECH	4	4	19	7.6
Edit Copy Delete	41	Ganadhish	MECH	4	4	19	6.6
Edit Copy Delete	42	Ganesh	MECH	4	4	19	8.1
Edit Copy Delete	43	Uday	Electronics	4	4	20	7.8
Edit Copy Delete	44	Raj	Electronics	4	4	20	8.2
Edit Copy Delete	45	Aditya	Electronics	4	4	20	8.4

Check all With selected: Edit Copy Delete Export

--Q35)Display details of second year CS students.
select * from Non_Fresher
where course='CS' and semester=2;

+ Options

	non_fresher_id_Number	first_name	course	semester	Hostel_Id	Room_No	Pointer
Edit Copy Delete	1	Ram	CS	2	2	6	8.1
Edit Copy Delete	2	Shayam	CS	2	2	6	9.2
Edit Copy Delete	3	Raj	CS	2	2	6	7.5

Check all With selected: Edit Copy Delete Export

--Q36)Display pointers of IT students.
select First_Name,Pointer from non_fresher
where course='IT'

+ Options

	First_Name	Pointer
Edit Copy Delete	Ajay	8.15
Edit Copy Delete	Vijay	7.6
Edit Copy Delete	Rahul	8.5
Edit Copy Delete	Om	8
Edit Copy Delete	Jay	8.6
Edit Copy Delete	Jagdish	9.1
Edit Copy Delete	Prashant	8.2
Edit Copy Delete	Abishek	8.4
Edit Copy Delete	Vaibhav	8.8

Check all With selected: Edit Copy Delete Export

--Q37)Display students who have enrolled in mess.
select * from Mess;

mess_ID_Number	fresher_id_Number	non_fresher_id_Number	student_name	Mess_name	Opening_Balance_Per_Sem	Closing_Balance_Per_Sem	JMC_Charges	Deposit	Hostel_Id
1	NULL	1	Ram	Mess B	10000	1000	5000	5000	2
2	NULL	2	Shayam	Mess B	10000	1000	5000	5000	2
3	NULL	3	Raj	Mess B	10000	1000	5000	5000	2
4	NULL	4	Ajay	Mess B	10000	1000	5000	5000	2
5	NULL	5	Vijay	Mess B	10000	1000	5000	5000	2
6	NULL	6	Rahul	Mess B	10000	1000	5000	5000	2
7	NULL	7	Arnav	Mess B	10000	1000	5000	5000	2
8	NULL	8	Aniket	Mess B	10000	1000	5000	5000	2
9	NULL	9	Aarav	Mess B	10000	1000	5000	5000	2
10	NULL	10	Aditya	Mess B	10000	1000	5000	5000	2
11	NULL	11	Sanket	Mess B	10000	1000	5000	5000	2
12	NULL	12	Mrunal	Mess B	10000	1000	5000	5000	2
13	NULL	13	Chaitanya	Mess B	10000	1000	5000	5000	2
14	NULL	14	Shivam	Mess B	10000	1000	5000	5000	2
15	NULL	15	Tejas	Mess B	10000	1000	5000	5000	2
16	NULL	16	Dnyanesh	Mess C	10000	1000	5000	5000	3
17	NULL	17	Hitesh	Mess C	10000	1000	5000	5000	3
18	NULL	18	Shantanu	Mess C	10000	1000	5000	5000	3

Console

--Q39)Display details of freshers in mess.
select * from Mess
where non_fresher_id_Number is null;

+ Options

	mess_ID_Number	fresher_id_Number	non_fresher_id_Number	student_name	Mess_name	Opening_Balance_Per_Sem	Closing_Balance_Per_Sem	JMC
Edit Copy Delete	46	101	NULL	Kapil	Mess A	10000	1000	
Edit Copy Delete	47	102	NULL	hrishikesh	Mess A	10000	1000	
Edit Copy Delete	48	103	NULL	Gaurav	Mess A	10000	1000	
Edit Copy Delete	49	104	NULL	hrushikesh	Mess A	10000	1000	
Edit Copy Delete	50	105	NULL	Rishabh	Mess A	10000	1000	
Edit Copy Delete	51	106	NULL	Pratik	Mess A	10000	1000	
Edit Copy Delete	52	107	NULL	tejas	Mess A	10000	1000	
Edit Copy Delete	53	108	NULL	soham	Mess A	10000	1000	
Edit Copy Delete	54	109	NULL	Anshul	Mess A	10000	1000	
Edit Copy Delete	55	110	NULL	Prathmesh	Mess A	10000	1000	
Edit Copy Delete	56	111	NULL	Siddhesh	Mess A	10000	1000	
Edit Copy Delete	57	112	NULL	Jayant	Mess A	10000	1000	
Edit Copy Delete	58	113	NULL	Pratik	Mess A	10000	1000	
Edit Copy Delete	59	114	NULL	sanjay	Mess A	10000	1000	
Edit Copy Delete	60	115	NULL	Ranjan	Mess A	10000	1000	

--Q40)Print the number of non freshers in mess.
select count(mess_ID_Number) from mess
where non_fresher_id_Number is not null;

+ Options

count(mess_ID_Number)
45

--Q41)Show the students in hostel C.
select * from Mess
where hostel_id=3;

Number	fresher_id_Number	non_fresher_id_Number	student_name	Mess_name	Opening_Balance_Per_Sem	Closing_Balance_Per_Sem	JMC_Charges	Deposit	Hostel_Id	Meals	G
16	NULL	16	Dnyanesh	Mess C	10000	1000	5000	5000	3	60	
17	NULL	17	Hitesh	Mess C	10000	1000	5000	5000	3	60	
18	NULL	18	Shantanu	Mess C	10000	1000	5000	5000	3	60	
19	NULL	19	Om	Mess C	10000	1000	5000	5000	3	60	
20	NULL	20	Jay	Mess C	10000	1000	5000	5000	3	60	
21	NULL	21	Jagdish	Mess C	10000	1000	5000	5000	3	60	
22	NULL	22	Jay	Mess C	10000	1000	5000	5000	3	60	
23	NULL	23	Luv	Mess C	10000	1000	5000	5000	3	60	
24	NULL	24	Kush	Mess C	10000	1000	5000	5000	3	60	
25	NULL	25	Shailesh	Mess C	10000	1000	5000	5000	3	60	
26	NULL	26	Jayesh	Mess C	10000	1000	5000	5000	3	60	
27	NULL	27	Rajesh	Mess C	10000	1000	5000	5000	3	60	
28	NULL	28	Utkarsh	Mess C	10000	1000	5000	5000	3	60	
29	NULL	29	Aakash	Mess C	10000	1000	5000	5000	3	60	
30	NULL	30	Hrishi	Mess C	10000	1000	5000	5000	3	60	

Edit Copy Delete Export

--Q42)Display the committee in hostel.
select * from Committee;

+ Options

Treasurer	Secretory	Member1	Member2	hostel_id
Kapil Bhise	Tejas Bhatambarekar	Prathmesh Chandwade	Gaurav Chambhare	1

Show all | Number of rows: 25 Filter rows: Search this table

--Q43)Display Events take place in Hostel.
select * from Events;

+ Options

Sport_Events	Cultural_Events	hostel_id
cricket	Dahi-Handi	1
Footbal	Ganeshostav	1

--Q44)print the complete guardian table.
select * from Guardian;

+ Options

	Guardian_Id	Guardian_Name	Address	Guardian_Mobile	Guardian_Email	fresher_id_Number	non_fresher_id_Number
Edit Copy Delete	1	Rajan Girhe	Mumbai	9998889988	rajan1@gmail.com	NULL	1
Edit Copy Delete	2	Rohit Kale	New Mumbai	9998889989	rhit@gmail.com	109	NULL

Check all With selected: Edit Copy Delete Export

--Q45)print the details of guardians living in New Mumbai.
select * from Guardian
where Address='New Mumbai';

+ Options

	Guardian_Id	Guardian_Name	Address	Guardian_Mobile	Guardian_Email	fresher_id_Number	non_fresher_id_Number
Edit Copy Delete	2	Rohit Kale	New Mumbai	9998889989	rhit@gmail.com	109	NULL

Check all With selected: Edit Copy Delete Export

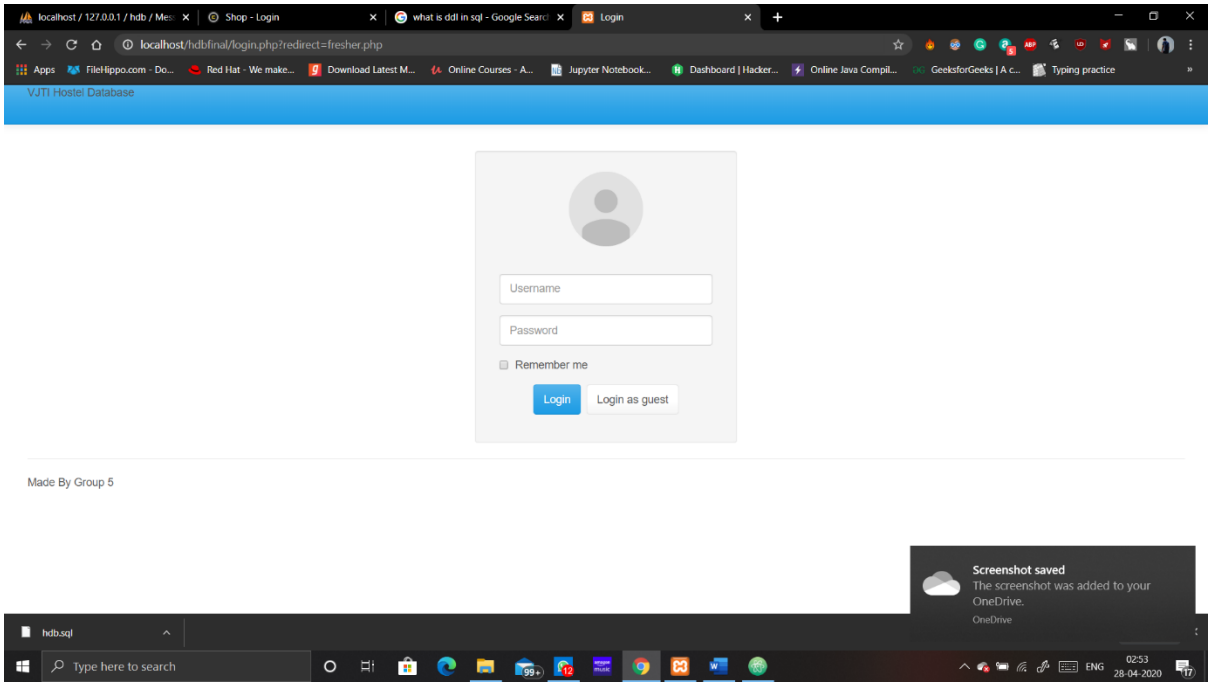
--Q46)Use inner join in table guardian and non_fresher having guardian id equals Non_fresher_id.
select Guardian.Guardian_Name,Non_Fresher.First_Name from Guardian inner join Non_Fresher on Guardian.Guardian_Id=Non_Fresher.non_fresher_id_Number;

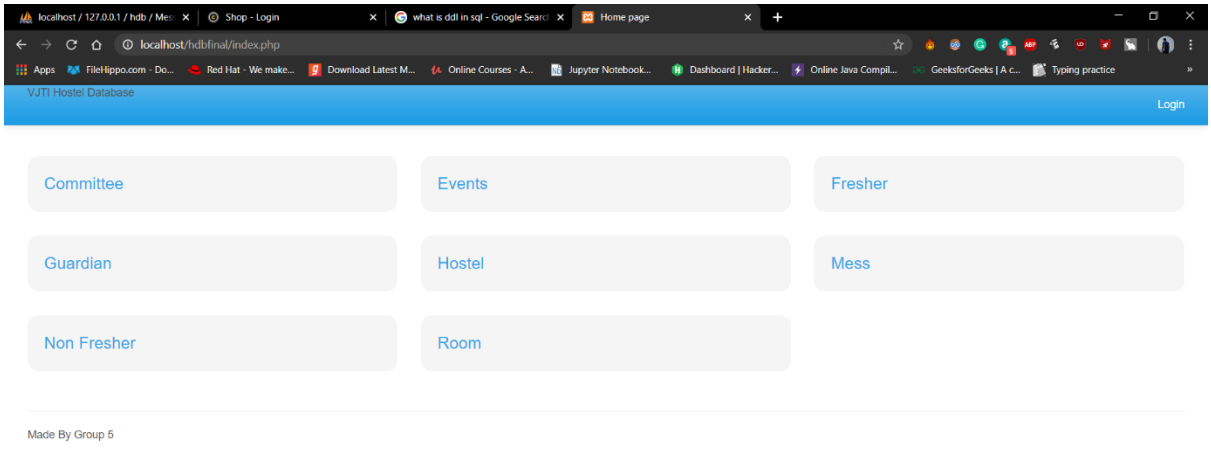
Guardian_Name	First_Name
Rajan Girhe	Ram
Rohit Kale	Shayam

Designing Frontend:

The frontend has been developed with use of php. PHP Generator for MySQL Lite is a simple tool that can be used to generate the frontend of the database using only sql file. The sql file contains the mysql code which has been used to create the tables of database.
In the database you can only select the data and view it as a guest. Only the root user i.e. admin has the right to update, modify or delete the database.
Here are some snapshots of the

User Interface:

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Jupyter Notebook...
Dashboard | Hacker...
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GeeksforGeeks | A c...
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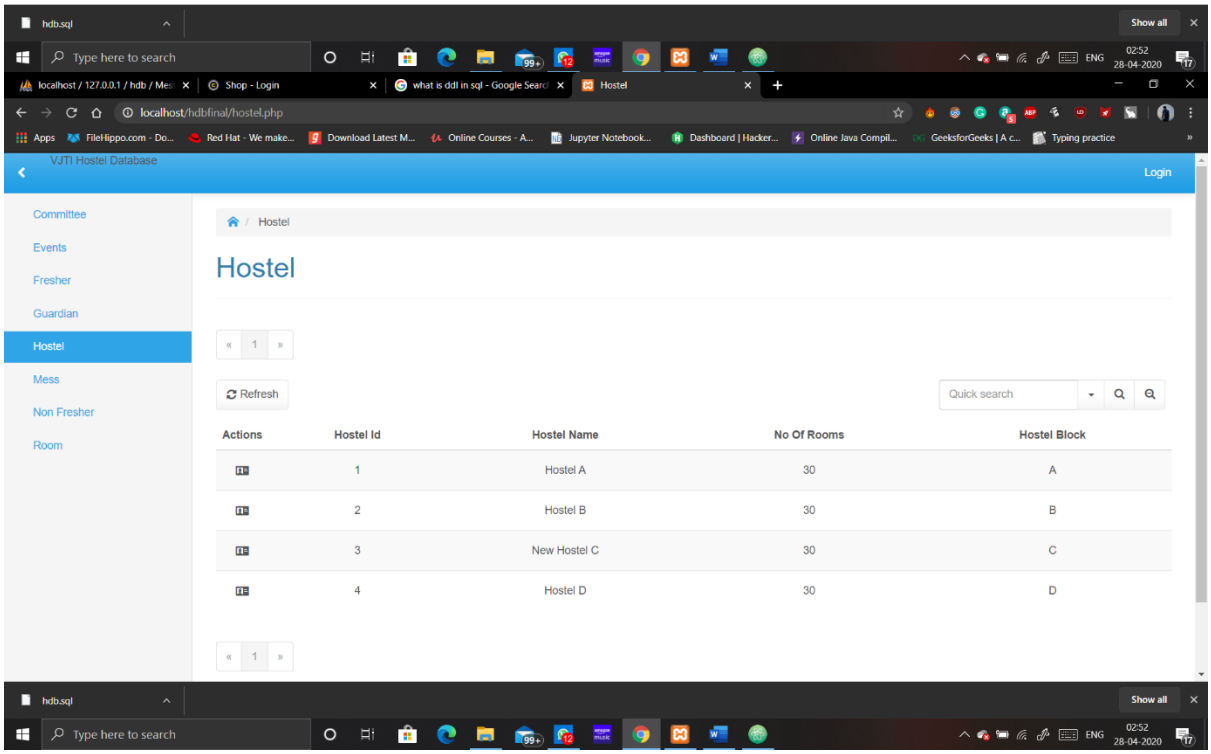
Events
Fresher
Guardian
Hostel
Mess
Non Fresher
Room
Made By Group 5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Online Courses - A...
Jupyter Notebook...
Dashboard | Hacker...
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Actions
Hostel Id
Hostel Name
No Of Rooms
Hostel Block
1
Hostel A
30
A
2
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3
New Hostel C
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4
Hostel D
30
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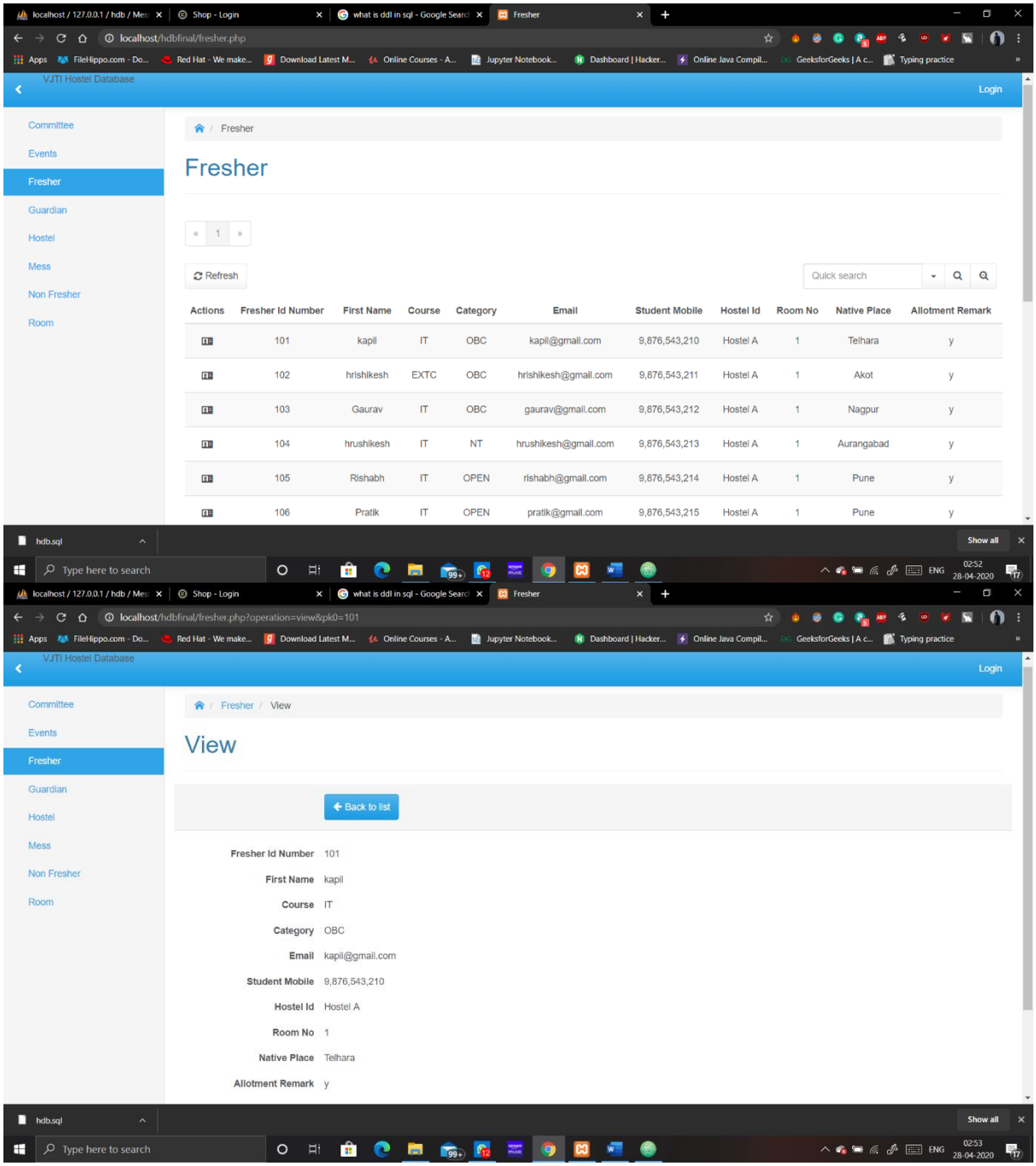
hdb.sql
Show all
Type here to search
ENG
02:52
28-04-2020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Refresh
Quick search
Actions
Fresher Id Number
First Name
Course
Category
Email
Student Mobile
Hostel Id
Room No
Native Place
Allotment Remark
101 kapil IT OBC kapil@gmail.com 9,876,543,210 Hostel A 1 Telhara y
102 hrishikesh EXTC OBC hrishikesh@gmail.com 9,876,543,211 Hostel A 1 Akot y
103 Gaurav IT OBC gaurav@gmail.com 9,876,543,212 Hostel A 1 Nagpur y
104 hrushikesh IT NT hrushikesh@gmail.com 9,876,543,213 Hostel A 1 Aurangabad y
105 Rishabh IT OPEN rishabh@gmail.com 9,876,543,214 Hostel A 1 Pune y
106 Pratik IT OPEN pratik@gmail.com 9,876,543,215 Hostel A 1 Pune y
hdb.sql
Show all
Type here to search
ENG
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28-04-2020
localhost/hdbfinal/fresher.php?operation=view&pk0=101
Fresher / View
View
Back to list
Fresher Id Number 101
First Name kapil
Course IT
Category OBC
Email kapil@gmail.com
Student Mobile 9,876,543,210
Hostel Id Hostel A
Room No 1
Native Place Telhara
Allotment Remark y
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