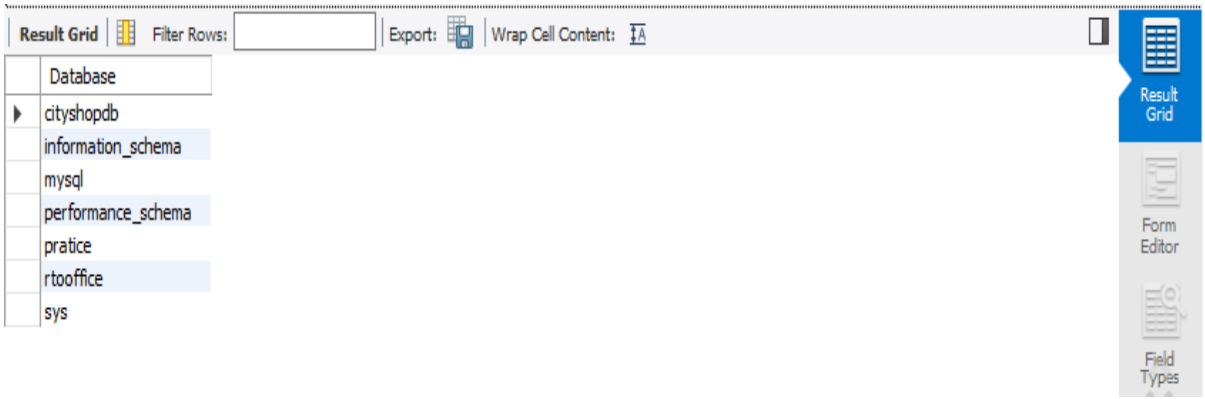
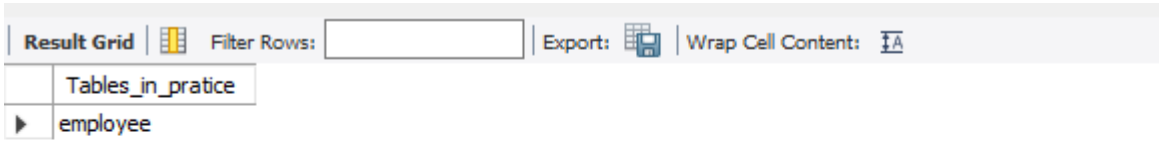
/*create a database on the server*/
Create database practice;

/* show databases is used to display all the databases*/
show databases;

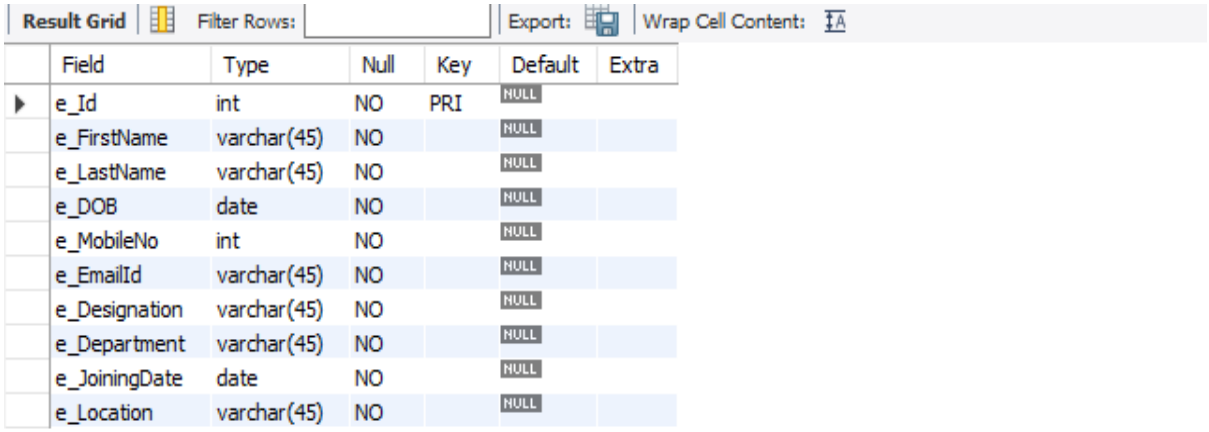


/*use keyword is used to select the database*/
use pratice;

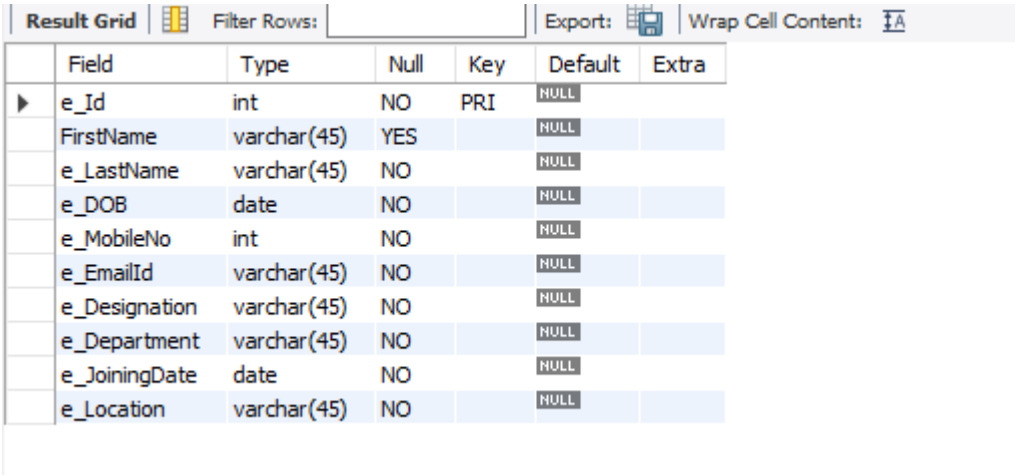
/*show tables is used to display all the tables in the database*/
show tables;



/*Describe command is used to show the structure of a table */
desc employee;

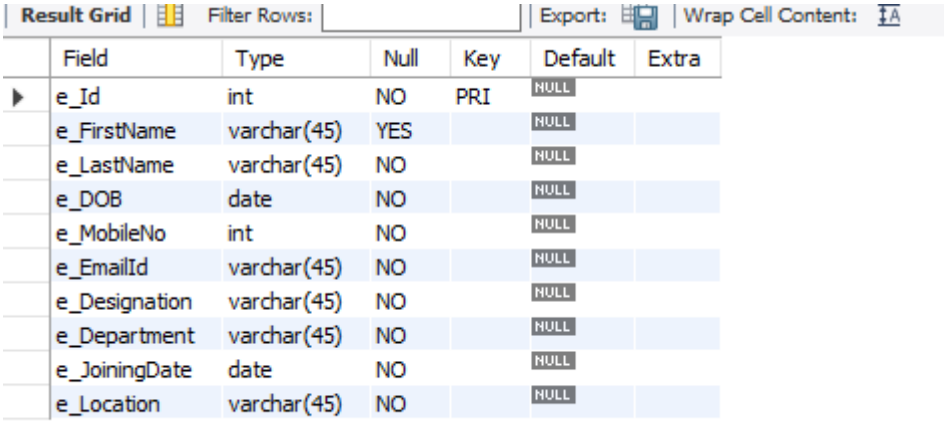


/* alter table [table name] change column this Query is used to change column name*/
alter table employee change column e_FirstName FirstName varchar(45);
desc employee;


Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Field	Type	Null	Key	Default	Extra
e_Id	int	NO	PRI	NULL	
FirstName	varchar(45)	YES		NULL	
e_LastName	varchar(45)	NO		NULL	
e_DOB	date	NO		NULL	
e_MobileNo	int	NO		NULL	
e_EmailId	varchar(45)	NO		NULL	
e_Designation	varchar(45)	NO		NULL	
e_Department	varchar(45)	NO		NULL	
e_JoiningDate	date	NO		NULL	
e_Location	varchar(45)	NO		NULL	

alter table employee change column FirstName e_FirstName varchar(45);
desc employee;


Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Field	Type	Null	Key	Default	Extra
e_Id	int	NO	PRI	NULL	
e_FirstName	varchar(45)	YES		NULL	
e_LastName	varchar(45)	NO		NULL	
e_DOB	date	NO		NULL	
e_MobileNo	int	NO		NULL	
e_EmailId	varchar(45)	NO		NULL	
e_Designation	varchar(45)	NO		NULL	
e_Department	varchar(45)	NO		NULL	
e_JoiningDate	date	NO		NULL	
e_Location	varchar(45)	NO		NULL	

/* inset Query is used to inserting records into a table */
insert into employee values(1,'Avni','Agarawal','1998-04-23',8945271568,'avniag5@gmail.com','Web developer','Design','2021-08-21','Mumbai'),
(2,'Diya','Kaur','1999-05-07',8245781568,'diya8989@gmail.com','Android Developer','Creative','2022-01-03','Pune'),(3,'Nidhi','Chopra','2000-08-02',8345271500,'nidhi9636@gmail.com','Project Manager ','IT Services','2021-02-19','Panvel'),(4,'Ved','Kohli','1997-01-12',8445271504,'ved00636@gmail.com','Manager','Quality Assurance','2020-05-23','Navi Mumbai'),(5,'Ishan','Patel','1999-12-12',8545271952,'ishap@gmail.com','Director','Research & Development','2021-12-09','Delhi'),

(6,'Parth','Deshapande','1997-09-01',8645272352,'parthde862@gmail.com','Supervisor','Account & Finance','2018-05-23','Ahmedabad'),(7,'Netra','Bhatt','2000-11-19',8745272352,'netra897@gmail.com','Executive','Security & Transport','2022-01-05','Bangalore'),
(8,'Kabir','Khan','2001-03-17',8845272352,'ka17kha@gmail.com','CEO','Software Developmaent','2022-01-12','Thane'),(9,'Dev','Roy','1998-09-19',8945272352,'dev001@gmail.com','Internet Marketing Head','IT Services','2021-11-19','Belagavi'),
(10,'Ali','Reddy','1999-10-12',8045272352,'Ali23@gmail.com','Web Developer','HR','2021-11-15','Kerala');

/* show all the data in a table */
Select * from employee;

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

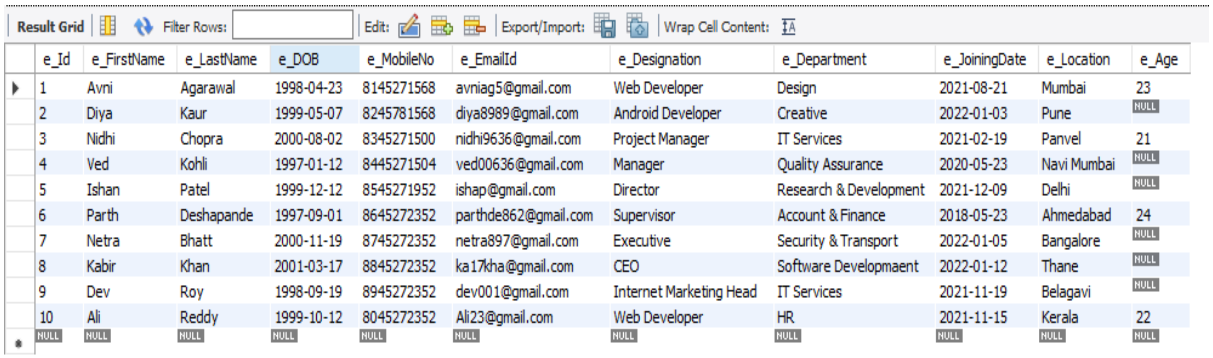
e_Id	e_FirstName	e_LastName	e_DOB	e_MobileNo	e_EmailId	e_Designation	e_Department	e_JoiningDate	e_Location
1	Avni	Agarawal	1998-04-23	8145271568	avniag5@gmail.com	Web Developer	Design	2021-08-21	Mumbai
2	Diya	Kaur	1999-05-07	8245781568	diya8989@gmail.com	Android Developer	Creative	2022-01-03	Pune
3	Nidhi	Chopra	2000-08-02	8345271500	nidhi9636@gmail.com	Project Manager	IT Services	2021-02-19	Panvel
4	Ved	Kohli	1997-01-12	8445271504	ved00636@gmail.com	Manager	Quality Assurance	2020-05-23	Navi Mumbai
5	Ishan	Patel	1999-12-12	8545271952	ishap@gmail.com	Director	Research & Development	2021-12-09	Delhi
6	Parth	Deshapande	1997-09-01	8645272352	parthde862@gmail.com	Supervisor	Account & Finance	2018-05-23	Ahmedabad
7	Netra	Bhatt	2000-11-19	8745272352	netra897@gmail.com	Executive	Security & Transport	2022-01-05	Bangalore
8	Kabir	Khan	2001-03-17	8845272352	ka17kha@gmail.com	CEO	Software Developmaent	2022-01-12	Thane
9	Dev	Roy	1998-09-19	8945272352	dev001@gmail.com	Internet Marketing Head	IT Services	2021-11-19	Belagavi
10	Ali	Reddy	1999-10-12	8045272352	Ali23@gmail.com	Web Developer	HR	2021-11-15	Kerala
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

/* alter table [table name] add This Query is used to add a new column */
alter table employee add e_Age int(10);

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

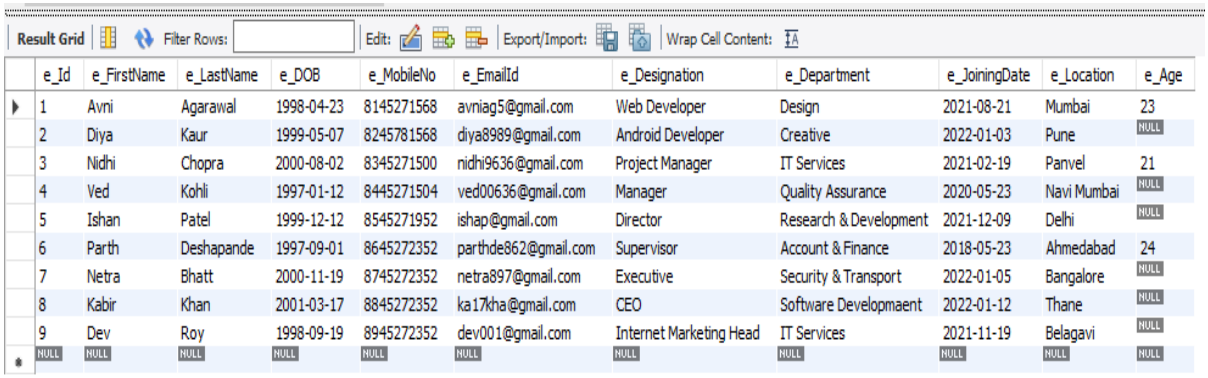
e_Id	e_FirstName	e_LastName	e_DOB	e_MobileNo	e_EmailId	e_Designation	e_Department	e_JoiningDate	e_Location	e_Age
1	Avni	Agarawal	1998-04-23	8145271568	avniag5@gmail.com	Web Developer	Design	2021-08-21	Mumbai	NULL
2	Diya	Kaur	1999-05-07	8245781568	diya8989@gmail.com	Android Developer	Creative	2022-01-03	Pune	NULL
3	Nidhi	Chopra	2000-08-02	8345271500	nidhi9636@gmail.com	Project Manager	IT Services	2021-02-19	Panvel	NULL
4	Ved	Kohli	1997-01-12	8445271504	ved00636@gmail.com	Manager	Quality Assurance	2020-05-23	Navi Mumbai	NULL
5	Ishan	Patel	1999-12-12	8545271952	ishap@gmail.com	Director	Research & Development	2021-12-09	Delhi	NULL
6	Parth	Deshapande	1997-09-01	8645272352	parthde862@gmail.com	Supervisor	Account & Finance	2018-05-23	Ahmedabad	NULL
7	Netra	Bhatt	2000-11-19	8745272352	netra897@gmail.com	Executive	Security & Transport	2022-01-05	Bangalore	NULL
8	Kabir	Khan	2001-03-17	8845272352	ka17kha@gmail.com	CEO	Software Developmaent	2022-01-12	Thane	NULL
9	Dev	Roy	1998-09-19	8945272352	dev001@gmail.com	Internet Marketing Head	IT Services	2021-11-19	Belagavi	NULL
10	Ali	Reddy	1999-10-12	8045272352	Ali23@gmail.com	Web Developer	HR	2021-11-15	Kerala	NULL
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

/* update query is used for updating records within a table.*/
update employee set e_Age=23 where e_Id=1;
update employee set e_Age=21 where e_Id=3;
update employee set e_Age=24 where e_Id=6;
update employee set e_Age=22 where e_Id=10;



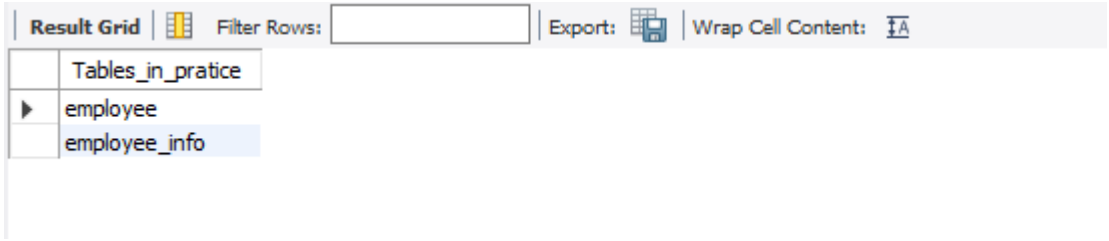
e_Id	e_FirstName	e_LastName	e_DOB	e_MobileNo	e_EmailId	e_Designation	e_Department	e_JoiningDate	e_Location	e_Age
1	Avni	Agarawal	1998-04-23	8145271568	avniag5@gmail.com	Web Developer	Design	2021-08-21	Mumbai	23
2	Diya	Kaur	1999-05-07	8245781568	diya8989@gmail.com	Android Developer	Creative	2022-01-03	Pune	NULL
3	Nidhi	Chopra	2000-08-02	8345271500	nidhi9636@gmail.com	Project Manager	IT Services	2021-02-19	Panvel	21
4	Ved	Kohli	1997-01-12	8445271504	ved00636@gmail.com	Manager	Quality Assurance	2020-05-23	Navi Mumbai	NULL
5	Ishan	Patel	1999-12-12	8545271952	ishap@gmail.com	Director	Research & Development	2021-12-09	Delhi	NULL
6	Parth	Deshapande	1997-09-01	8645272352	parthde862@gmail.com	Supervisor	Account & Finance	2018-05-23	Ahmedabad	24
7	Netra	Bhatt	2000-11-19	8745272352	netra897@gmail.com	Executive	Security & Transport	2022-01-05	Bangalore	NULL
8	Kabir	Khan	2001-03-17	8845272352	ka17kha@gmail.com	CEO	Software Developmaent	2022-01-12	Thane	NULL
9	Dev	Roy	1998-09-19	8945272352	dev001@gmail.com	Internet Marketing Head	IT Services	2021-11-19	Belagavi	NULL
10	Ali	Reddy	1999-10-12	8045272352	Ali23@gmail.com	Web Developer	HR	2021-11-15	Kerala	22
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

/* delete query is used for deleting records from a database table*/
delete from employee where e_Id=10;



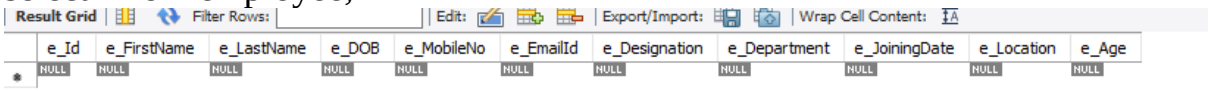
e_Id	e_FirstName	e_LastName	e_DOB	e_MobileNo	e_EmailId	e_Designation	e_Department	e_JoiningDate	e_Location	e_Age
1	Avni	Agarawal	1998-04-23	8145271568	avniag5@gmail.com	Web Developer	Design	2021-08-21	Mumbai	23
2	Diya	Kaur	1999-05-07	8245781568	diya8989@gmail.com	Android Developer	Creative	2022-01-03	Pune	NULL
3	Nidhi	Chopra	2000-08-02	8345271500	nidhi9636@gmail.com	Project Manager	IT Services	2021-02-19	Panvel	21
4	Ved	Kohli	1997-01-12	8445271504	ved00636@gmail.com	Manager	Quality Assurance	2020-05-23	Navi Mumbai	NULL
5	Ishan	Patel	1999-12-12	8545271952	ishap@gmail.com	Director	Research & Development	2021-12-09	Delhi	NULL
6	Parth	Deshapande	1997-09-01	8645272352	parthde862@gmail.com	Supervisor	Account & Finance	2018-05-23	Ahmedabad	24
7	Netra	Bhatt	2000-11-19	8745272352	netra897@gmail.com	Executive	Security & Transport	2022-01-05	Bangalore	NULL
8	Kabir	Khan	2001-03-17	8845272352	ka17kha@gmail.com	CEO	Software Developmaent	2022-01-12	Thane	NULL
9	Dev	Roy	1998-09-19	8945272352	dev001@gmail.com	Internet Marketing Head	IT Services	2021-11-19	Belagavi	NULL
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

/*create a new table same as existing table*/
create table employee_Info as select * from employee;
select *from employee_Info;
show tables;



Tables_in_pratice
employee
employee_info

/* deleting all the records in the table */
truncate table employee;
select *from employee;

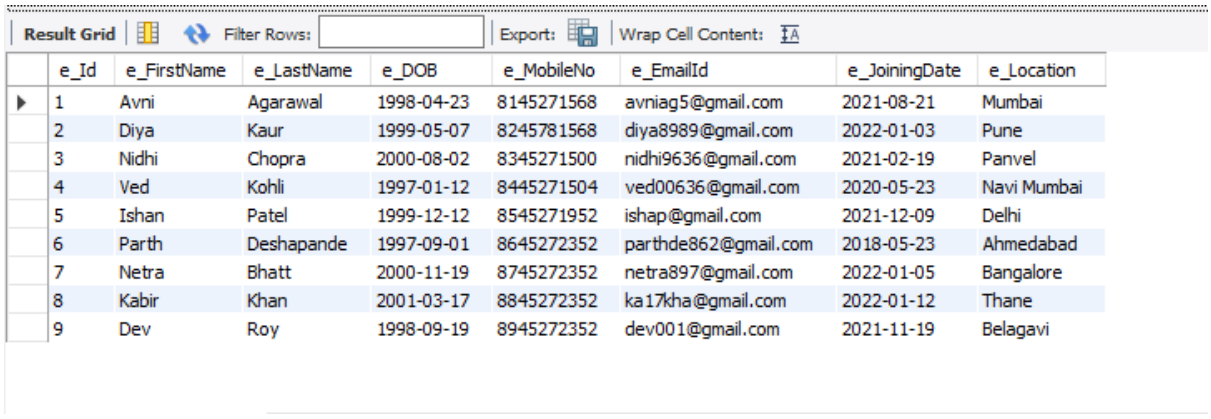


e_Id	e_FirstName	e_LastName	e_DOB	e_MobileNo	e_EmailId	e_Designation	e_Department	e_JoiningDate	e_Location	e_Age
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

/*delete the table*/
drop table employee;
show tables;

Tables_in_pratice
employee_info

create table employee_information as select e_Id,e_FirstName,e_LastName,e_DOB,e_MobileNo,e_EmailId,e_JoiningDate, e_Location from employee_Info;
select *from employee_information;



e_Id	e_FirstName	e_LastName	e_DOB	e_MobileNo	e_EmailId	e_JoiningDate	e_Location
1	Avni	Agarawal	1998-04-23	8145271568	avniag5@gmail.com	2021-08-21	Mumbai
2	Diya	Kaur	1999-05-07	8245781568	diya8989@gmail.com	2022-01-03	Pune
3	Nidhi	Chopra	2000-08-02	8345271500	nidhi9636@gmail.com	2021-02-19	Panvel
4	Ved	Kohli	1997-01-12	8445271504	ved00636@gmail.com	2020-05-23	Navi Mumbai
5	Ishan	Patel	1999-12-12	8545271952	ishap@gmail.com	2021-12-09	Delhi
6	Parth	Deshapande	1997-09-01	8645272352	parthde862@gmail.com	2018-05-23	Ahmedabad
7	Netra	Bhatt	2000-11-19	8745272352	netra897@gmail.com	2022-01-05	Bangalore
8	Kabir	Khan	2001-03-17	8845272352	ka17kha@gmail.com	2022-01-12	Thane
9	Dev	Roy	1998-09-19	8945272352	dev001@gmail.com	2021-11-19	Belagavi