1. Write SQL Query to create following table (Student).

Fields	Datatypes	Null	Key	Default	Check	Extra
student_id	int(11)	No	Primary			Auto_Increment
name	varchar(50)	No				Unique
address	varchar(100)	No		Birtamode		
class_id	int(11)	No	Foreign			
section	varchar(50)	Yes				
Age	int(11)	No		16	Age>=15	

Note: Foreign key references to (Class) Table.

```
SQL QUERY:
       create database pragati;
create table class (
       class id int primary key
);
create table student
       student_id int primary key auto_increment,
       name varchar (50) NOT NULL,
       address varchar (100) default 'Birtamode' NOT NULL,
       class id int NOT NULL,
       section varchar (50),
       age int default 16 NOT NULL,
       CONSTRAINT st na un unique(name),
       CONSTRAINT st ag ch check(age>=15),
       CONSTRAINT st ci fk foreign key(class id) references class(class id)
);
```

Database pragati:



Table class:

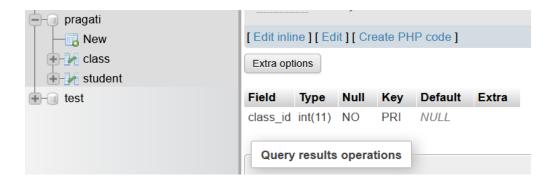
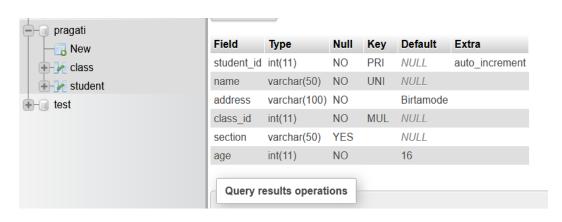


Table student:



2. Write SQL query to drop primary key from above table.

SQL QUERY:

alter table student modify student id int;

alter table student drop primary key;

Table after removing auto_increment from student_id:

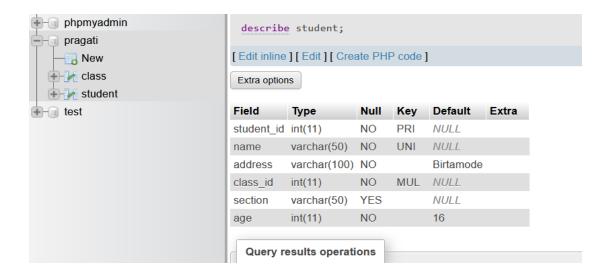
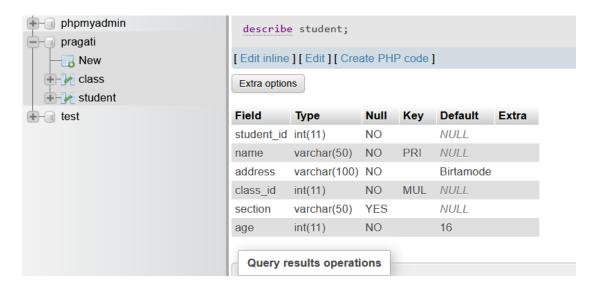


Table after removing primary key from student_id:

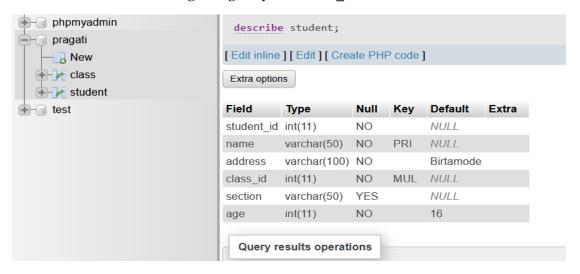


3. Write SQL query to drop foreign key from above table.

SQL QUERY:

alter table student drop foreign key st_ci_fk;

Table student after removing foreign key from class id attribute:

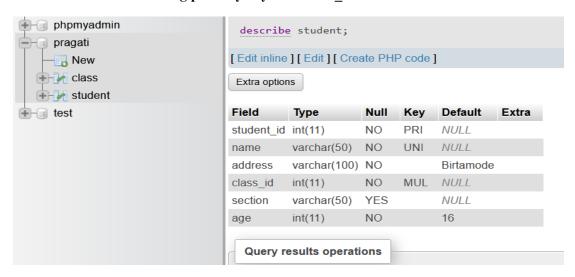


4. Write SQL query to set student id as primary key.

SQL QUERY:

alter table student add primary key (student_id);

Table student after adding primary key to student_id:

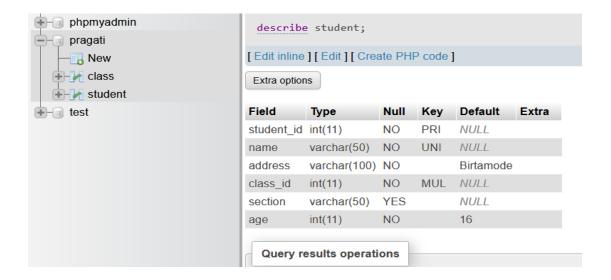


5. Write SQL query to set class id as foreign key.

SQL QUERY:

alter table student add foreign key (class id) references class(class id);

Table student after adding foreign key to class id taking reference from class table:

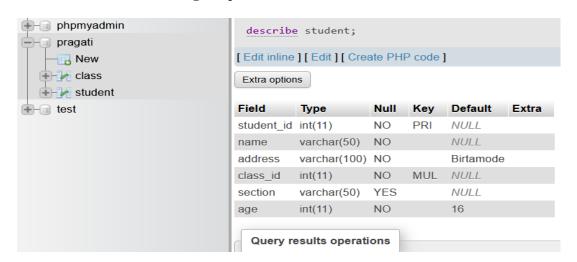


6. Write SQL query to remove unique constraint from name.

SQL QUERY:

alter table student drop constraint st_na_un;

Table student after removing unique constraint from name attribute:

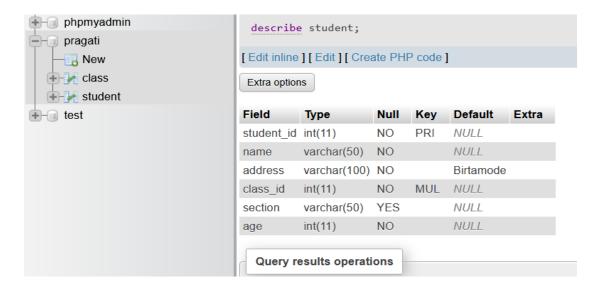


7. Write SQL query to remove default constraint from age.

SQL QUERY:

alter table student alter column age drop default;

Table student after removing default constraint from age:

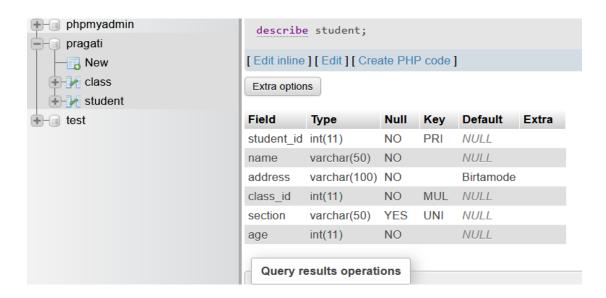


8. Write SQL query to add unique constraint to section.

SQL QUERY:

alter table student add constraint unique(section);

Table student after adding unique constraints to section:

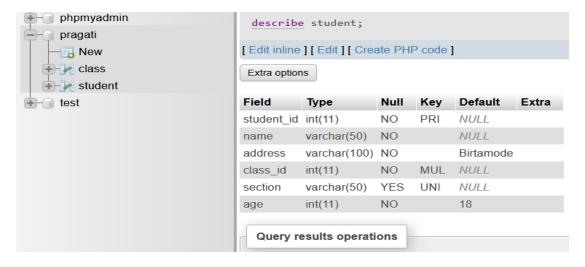


9. Write SQL query to add default value 18 to age.

SQL QUERY:

alter table student alter column age set default 18;

Table student after adding default value 18 to age:

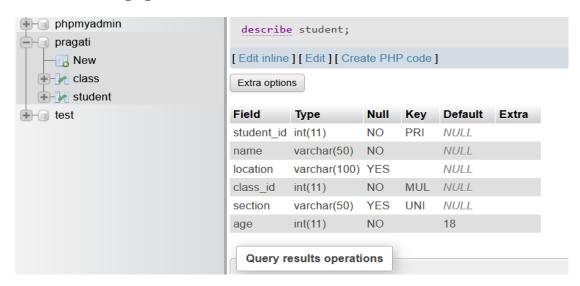


10. Write SQL query to change column name address to location.

SQL QUERY:

alter table student change address location varchar(100);

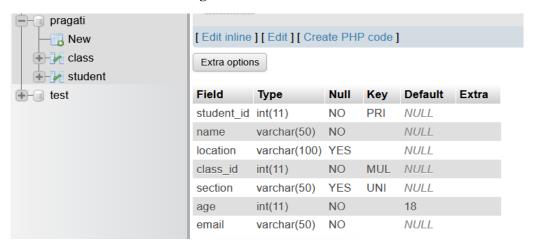
Table after changing column name address to location:



11. Write SQL query to add new column email and make it not null.

SQL QUERY:

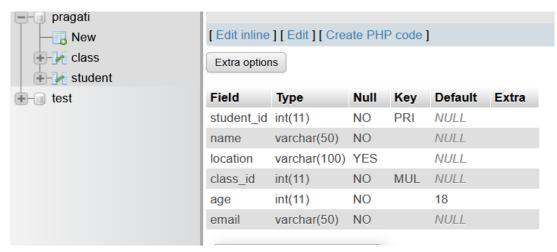
Table student after adding email column:



12. Write SQL query to remove column section from above table.

SQL QUERY:

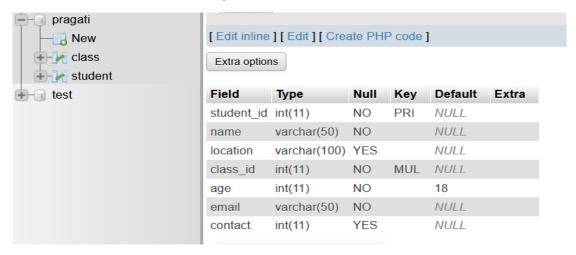
Table student after removing column section:



13. Write SQL query to add new column contact and make data type as integer.

SQL QUERY:

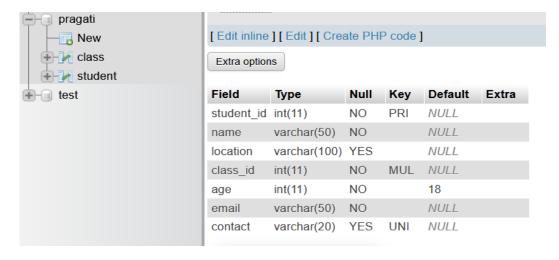
Table student after adding column contact:



14. Write SQL query to change data type of column contact to varchar and make it unique.

SQL QUERY:

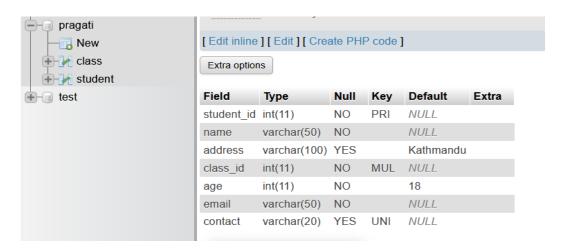
Table student after modifying data type of column contact to varchar:



15. Write SQL query to change default value of address to Kathmandu.

SQL QUERY:

Table student after changing default value of the address to Kathmandu:



16. Insert five set of records in above table.

SQL QUERY:

Table class after inserting five sets of records:

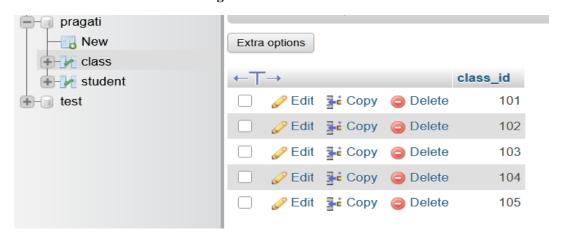


Table student after inserting five sets of records:



17. Write SQL query to update name and address of student whose student id is 5.

SQL QUERY:

Table student after updating name and address of student having student id 5:



18. Write SQL query to delete all the records of student having age greater than 20.

SQL QUERY:

Table student after removing student having age greater than 20:



19. Write SQL query to update age of student having address btm.

SQL QUERY:

Table student before upgrading age of student having address btm:



Table student after upgrading age of student having address btm:



20. Write SQL query to delete all records of student having student id 1.

SQL QUERY:

Table student after deleting all records of student having student id 1:

