SQL Queries Screenshots

Queries:

1.

CREATE TABLE student(snum INT, sname VARCHAR(10), major VARCHAR(2), lvl VARCHAR(2), age INT, primary key(snum))

CREATE TABLE faculty(fid INT,fname VARCHAR(20), deptid INT, PRIMARY KEY(fid))

CREATE TABLE class(cname VARCHAR(20), metts_at TIMESTAMP, room VARCHAR(10), fid INT, PRIMARY KEY(cname), FOREIGN KEY(fid) REFERENCES faculty(fid))

CREATE TABLE enrolled(snum INT, cname VARCHAR(20), PRIMARY KEY(snum,cname), FOREIGN KEY(snum) REFERENCES student(snum))

2.
2.

INSERT INTO STUDENT VALUES(&snum, '&sname', '&major', '&lvl', &age);

INSERT INTO STUDENT VALUES(1, 'John', 'CS', 'Sr', 19)

INSERT INTO STUDENT VALUES(2, 'Smith', 'CS', 'Jr', 20)

INSERT INTO STUDENT VALUES(3, 'Jake', 'CV', 'Sr', 20)

INSERT INTO STUDENT VALUES(4, 'Tim', 'CS', 'Jr', 20)

INSERT INTO STUDENT VALUES(5, 'Rahul', 'CS', 'Jr', 20)

INSERT INTO STUDENT VALUES(6, 'Ritu', 'CS', 'Sr', 21)

SELECT * FROM `student`

INSERT INTO FACULTY VALUES(11, 'Harish', 1000)

```
INSERT INTO FACULTY VALUES(12, 'MV', 1000)
INSERT INTO FACULTY VALUES(13 , 'Mira', 1001)
INSERT INTO FACULTY VALUES(14, 'Shiva', 1002)
INSERT INTO FACULTY VALUES(15, 'Nupur', 1000)

SELECT * FROM `faculty`

insert into class values('class10', '12/11/15 10:15:16', 'R128', 14)
insert into class values('class2', '12/11/15 10:15:20', 'R2', 12)
insert into class values('class3', '12/11/15 10:15:25', 'R3', 12)
insert into class values('class4', '12/11/15 20:15:20', 'R4', 14)
insert into class values('class5', '12/11/15 20:15:20', 'R3', 15)
insert into class values('class6', '12/11/15 13:20:20', 'R2', 14
insert into class values('class6', '12/11/15 13:20:20', 'R2', 14)
insert into class values('class7', '12/11/15 10:10:10', 'R3', 14)

SELECT * FROM `class`

insert into enrolled values(1, 'class1')
insert into enrolled values(2, 'class2')
insert into enrolled values(3, 'class3')
insert into enrolled values(4, 'class4')
insert into enrolled values(5, 'class5')

SELECT * FROM `enrolled`

insert into enrolled values(5, 'class5')
insert into enrolled values(4, 'class5')
```

insert into enrolled values(3, 'class5')

insert into enrolled values(2, 'class5')

insert into enrolled values(1, 'class5')

Expand Requery Edit Explain Profiling Bookmark Database : vyshnavi Queried time : 15:27:4

SELECT * FROM `enrolled`

3.SELECT DISTINCT S.sname FROM Student S WHERE S.snum IN

(SELECT E1.snum FROM Enrolled E1, Enrolled E2, Class C1, Class C2 WHERE

E1.snum = E2.snum AND E1.cname <> E2.cname AND E1.cname = C1.cname AND E2.cname = C2.cname AND C1.metts_at = C2.metts_at)

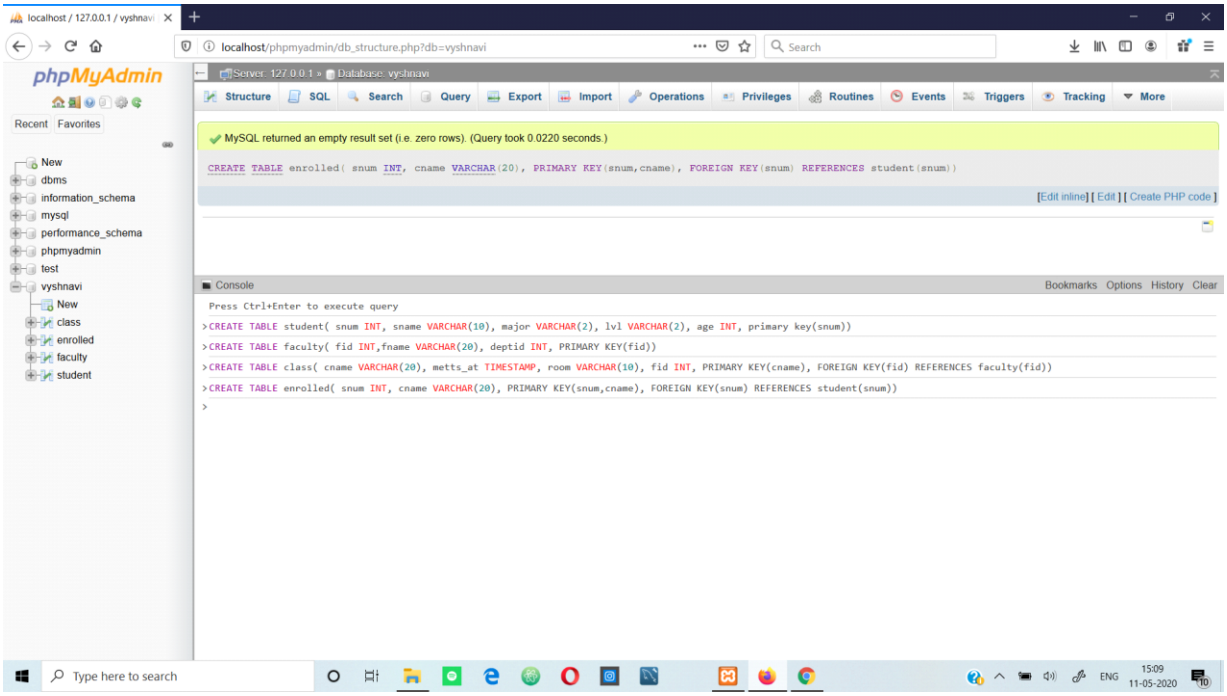
4.SELECT DISTINCT F.fname FROM Faculty F WHERE NOT EXISTS

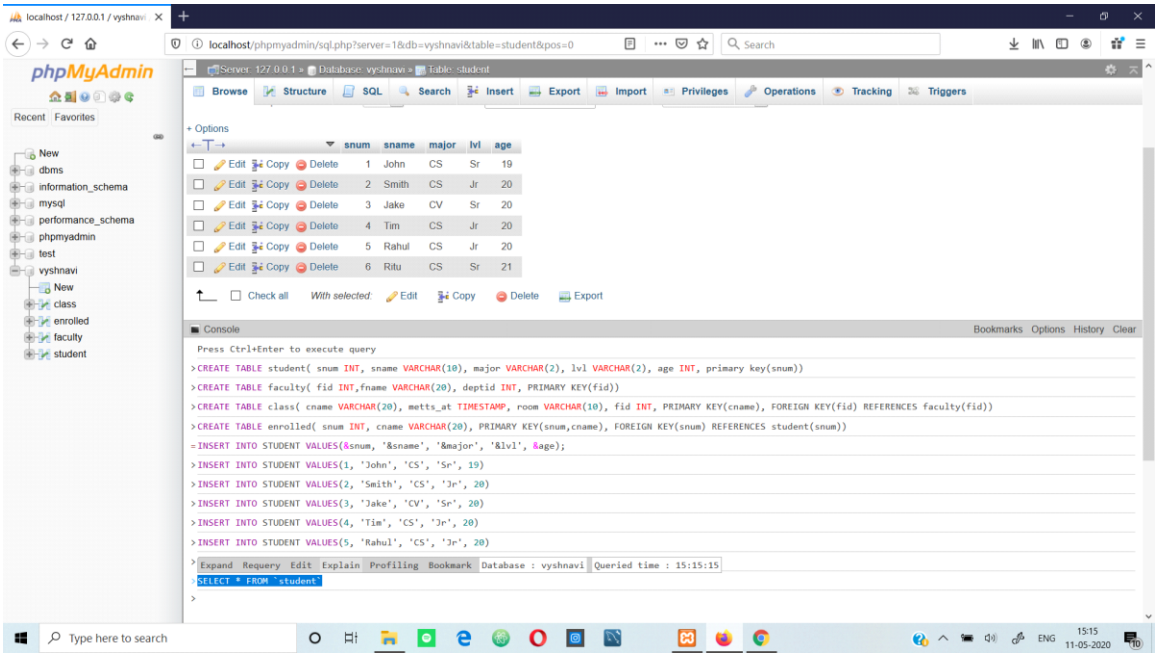
((SELECT C.room FROM Class C) EXCEPT (SELECT C1.room FROM Class C1 WHERE C1.fid = F.fid))

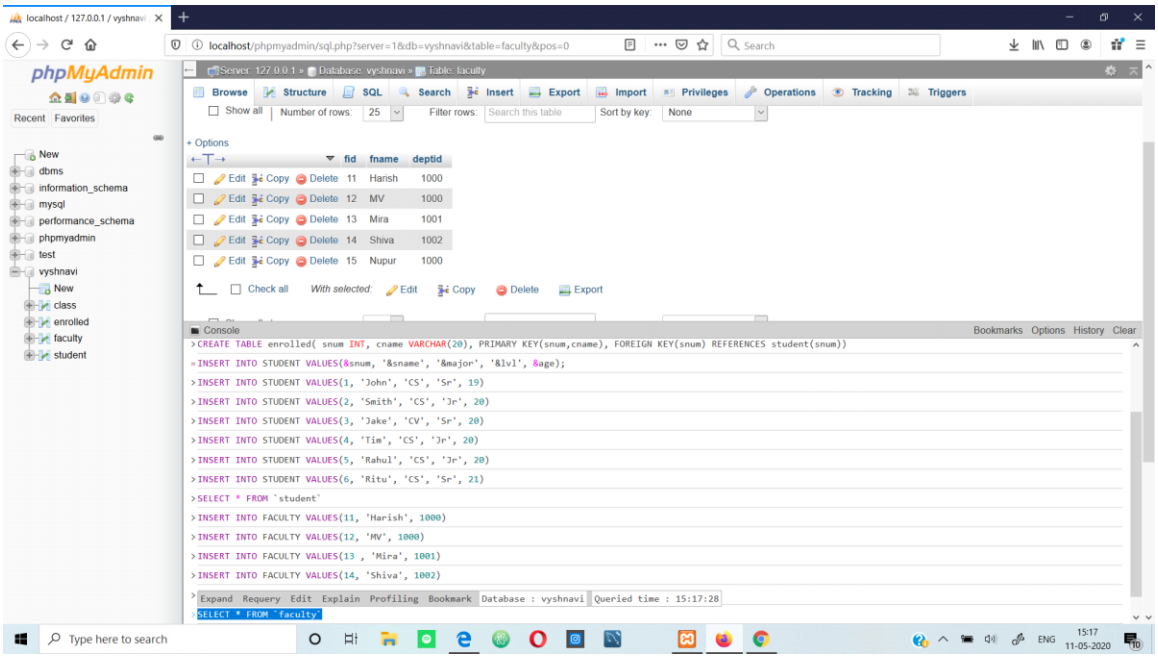
5.SELECT S.age, S.lvl FROM Student S GROUP BY S.age, S.lvl HAVING S.lvl IN

(SELECT S1.lvl FROM Student S1 WHERE S1.age = S.age GROUP BY S1.lvl, S1.age

HAVING COUNT(*) >= ALL (SELECT COUNT(*) FROM Student S2 WHERE s1.age = S2.age GROUP BY S2.lvl, S2.age))


localhost / 127.0.0.1 / vyshnavi
localhost/phpmyadmin/db_structure.php?db=vyshnavi
phpMyAdmin
Recent Favorites
New
dbms
information_schema
mysql
performance_schema
phpmyadmin
test
vyshnavi
New
class
enrolled
faculty
student
Server: 127.0.0.1 » Database: vyshnavi
Structure SQL Search Query Export Import Operations Privileges Routines Events Triggers Tracking More
MySQL returned an empty result set (i.e. zero rows). (Query took 0.0220 seconds.)
CREATE TABLE enrolled(snum INT, cname VARCHAR(20), PRIMARY KEY(snum,cname), FOREIGN KEY(snum) REFERENCES student(snum))
[Edit inline] [Edit] [Create PHP code]
Console
Bookmarks Options History Clear
Press Ctrl+Enter to execute query
>CREATE TABLE student(snum INT, sname VARCHAR(10), major VARCHAR(2), lvl VARCHAR(2), age INT, primary key(snum))
>CREATE TABLE faculty(fid INT,fname VARCHAR(20), deptid INT, PRIMARY KEY(fid))
>CREATE TABLE class(cname VARCHAR(20), metts_at TIMESTAMP, room VARCHAR(10), fid INT, PRIMARY KEY(cname), FOREIGN KEY(fid) REFERENCES faculty(fid))
>CREATE TABLE enrolled(snum INT, cname VARCHAR(20), PRIMARY KEY(snum,cname), FOREIGN KEY(snum) REFERENCES student(snum))
Type here to search
ENG 15:09 11-05-2020


localhost / 127.0.0.1 / vyshnavi
localhost/phpmyadmin/sql.php?server=1&db=vyshnavi&table=student&pos=0
phpMyAdmin
Recent Favorites
New
dbms
information_schema
mysql
performance_schema
phpmyadmin
test
vyshnavi
New
class
enrolled
faculty
student
Server: 127.0.0.1 » Database: vyshnavi » Table: student
Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers
+ Options
snum sname major lvl age
1 John CS Sr 19
2 Smith CS Jr 20
3 Jake CV Sr 20
4 Tim CS Jr 20
5 Rahul CS Jr 20
6 Ritu CS Sr 21
Edit Copy Delete
Check all With selected: Edit Copy Delete Export
Console
Bookmarks Options History Clear
Press Ctrl+Enter to execute query
>CREATE TABLE student(snum INT, sname VARCHAR(10), major VARCHAR(2), lvl VARCHAR(2), age INT, primary key(snum))
>CREATE TABLE faculty(fid INT,fname VARCHAR(20), deptid INT, PRIMARY KEY(fid))
>CREATE TABLE class(cname VARCHAR(20), metts_at TIMESTAMP, room VARCHAR(10), fid INT, PRIMARY KEY(cname), FOREIGN KEY(fid) REFERENCES faculty(fid))
>CREATE TABLE enrolled(snum INT, cname VARCHAR(20), PRIMARY KEY(snum,cname), FOREIGN KEY(snum) REFERENCES student(snum))
=INSERT INTO STUDENT VALUES(&snum, '&sname', '&major', '&lvl', &age);
>INSERT INTO STUDENT VALUES(1, 'John', 'CS', 'Sr', 19)
>INSERT INTO STUDENT VALUES(2, 'Smith', 'CS', 'Jr', 20)
>INSERT INTO STUDENT VALUES(3, 'Jake', 'CV', 'Sr', 20)
>INSERT INTO STUDENT VALUES(4, 'Tim', 'CS', 'Jr', 20)
>INSERT INTO STUDENT VALUES(5, 'Rahul', 'CS', 'Jr', 20)
Expand Requery Edit Explain Profiling Bookmark Database : vyshnavi Queried time : 15:15:15
SELECT * FROM `student`
Type here to search
ENG 15:15 11-05-2020


localhost / 127.0.0.1 / vyshnavi
localhost/phpmyadmin/sql.php?server=1&db=vyshnavi&table=faculty&pos=0
phpMyAdmin
Recent Favorites
New
dbms
information_schema
mysql
performance_schema
phpmyadmin
test
vyshnavi
New
class
enrolled
faculty
student
Server: 127.0.0.1 » Database: vyshnavi » Table: faculty
Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers
Show all Number of rows: 25 Filter rows: Search this table Sort by key: None
Options
fid fname deptid
Edit Copy Delete 11 Harish 1000
Edit Copy Delete 12 MV 1000
Edit Copy Delete 13 Mira 1001
Edit Copy Delete 14 Shiva 1002
Edit Copy Delete 15 Nupur 1000
Check all With selected: Edit Copy Delete Export
Console
Bookmarks Options History Clear
>CREATE TABLE enrolled(snum INT, cname VARCHAR(20), PRIMARY KEY(snum,cname), FOREIGN KEY(snum) REFERENCES student(snum))
=INSERT INTO STUDENT VALUES(&snum, '&sname', '&major', '&lvl', &age);
>INSERT INTO STUDENT VALUES(1, 'John', 'CS', 'Sr', 19)
>INSERT INTO STUDENT VALUES(2, 'Smith', 'CS', 'Jr', 20)
>INSERT INTO STUDENT VALUES(3, 'Jake', 'CV', 'Sr', 20)
>INSERT INTO STUDENT VALUES(4, 'Tim', 'CS', 'Jr', 20)
>INSERT INTO STUDENT VALUES(5, 'Rahul', 'CS', 'Jr', 20)
>INSERT INTO STUDENT VALUES(6, 'Ritu', 'CS', 'Sr', 21)
>SELECT * FROM `student`
>INSERT INTO FACULTY VALUES(11, 'Harish', 1000)
>INSERT INTO FACULTY VALUES(12, 'MV', 1000)
>INSERT INTO FACULTY VALUES(13 , 'Mira', 1001)
>INSERT INTO FACULTY VALUES(14, 'Shiva', 1002)
Expand Requery Edit Explain Profiling Bookmark Database : vyshnavi Queried time : 15:17:28
SELECT * FROM `faculty`
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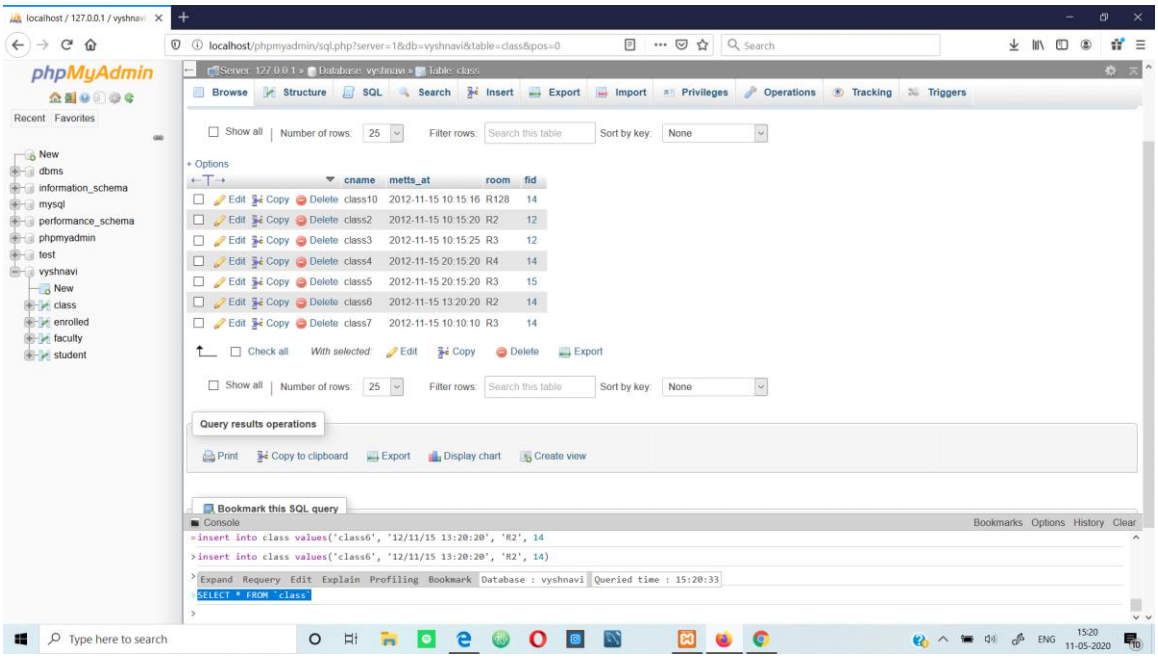
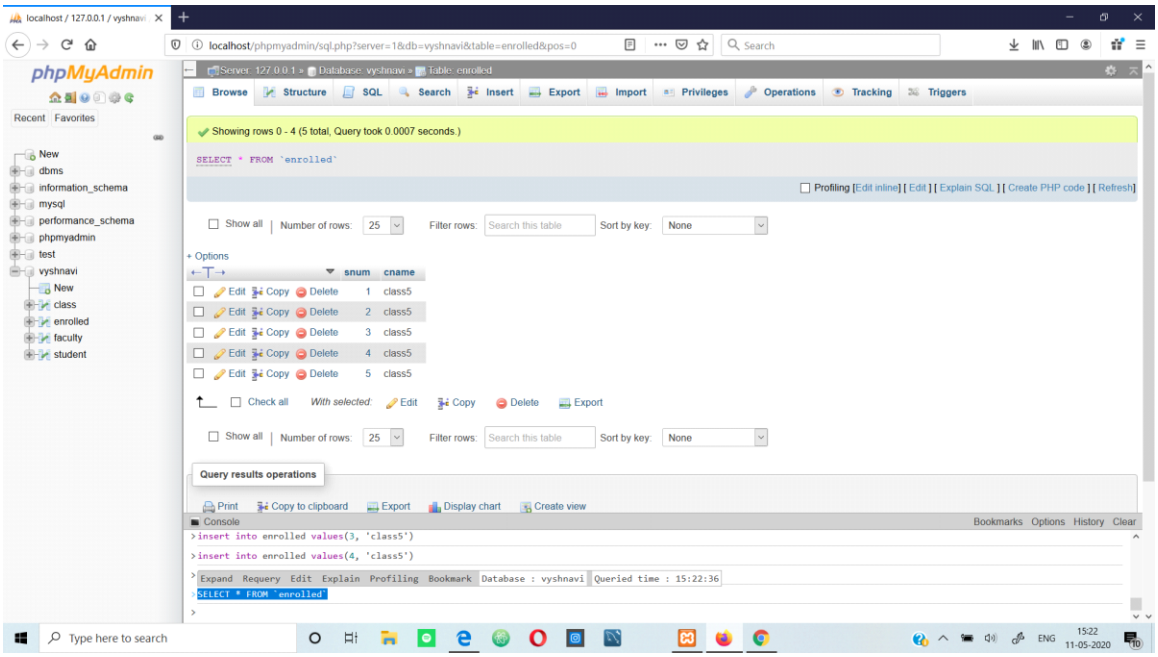
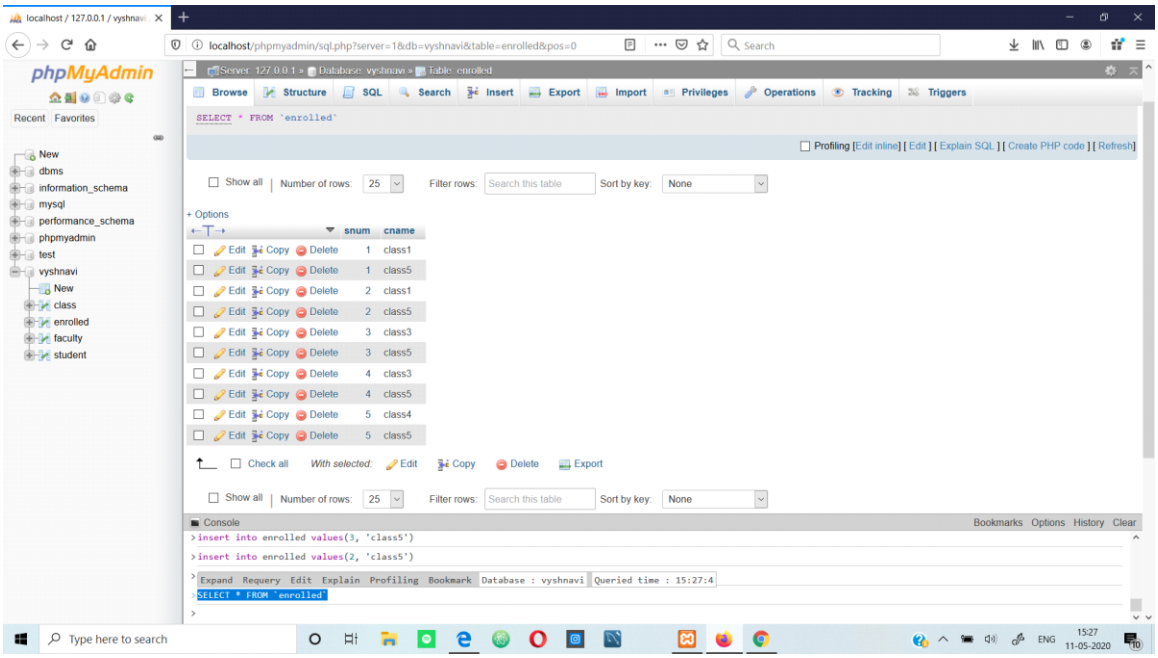
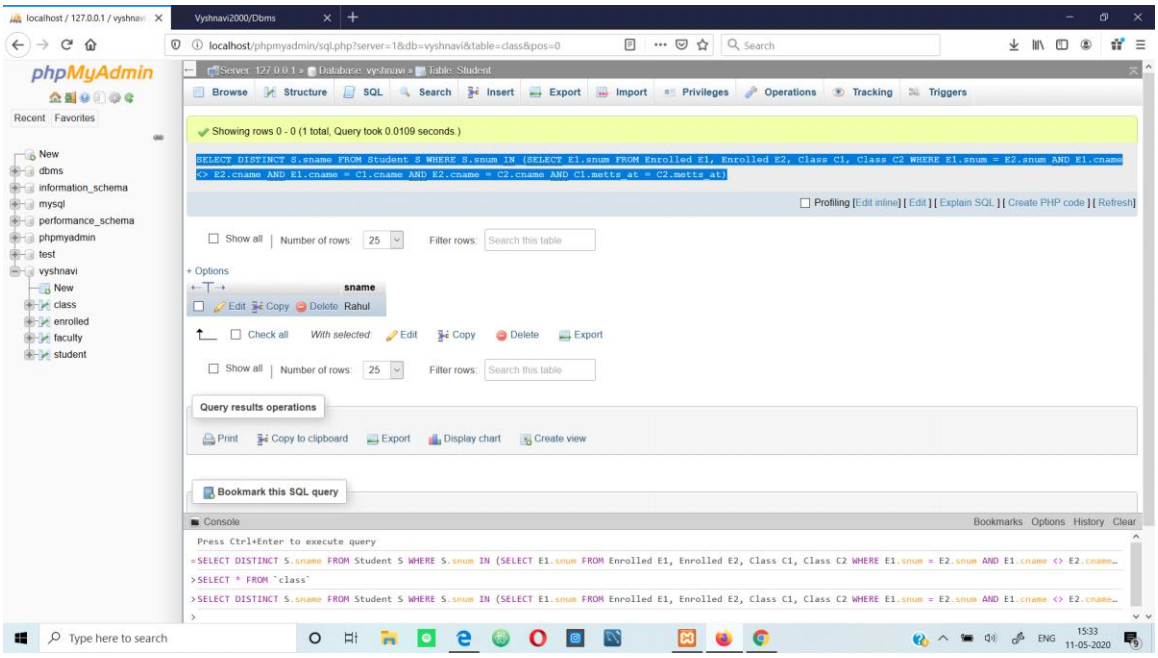
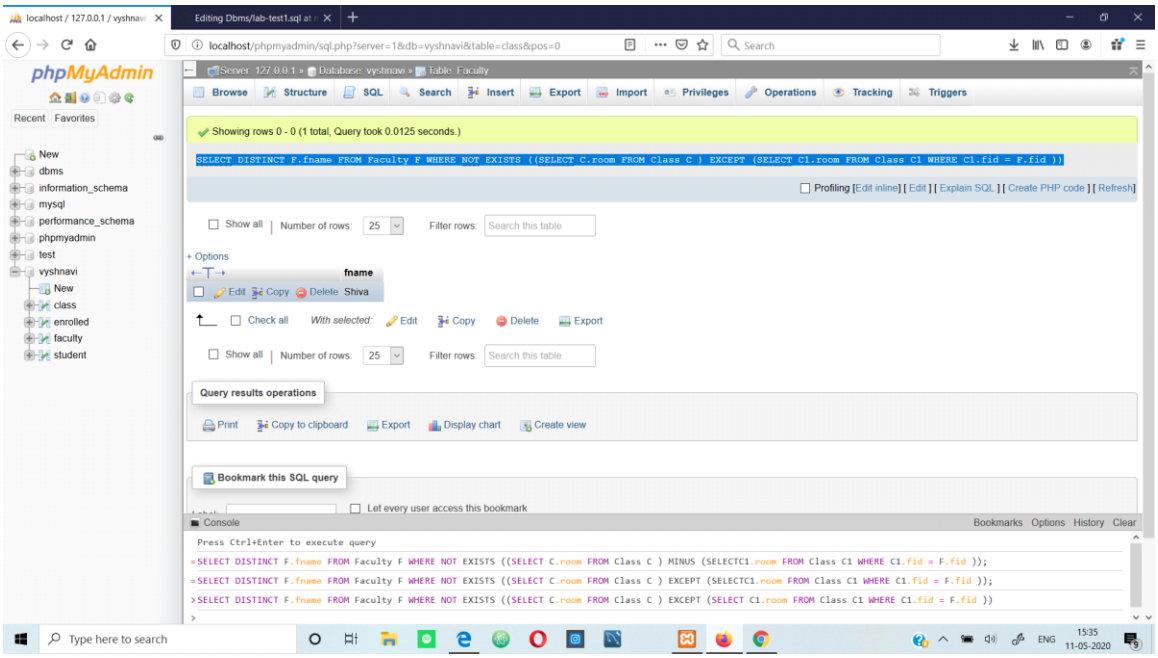
ENG 15:17 11-05-2020

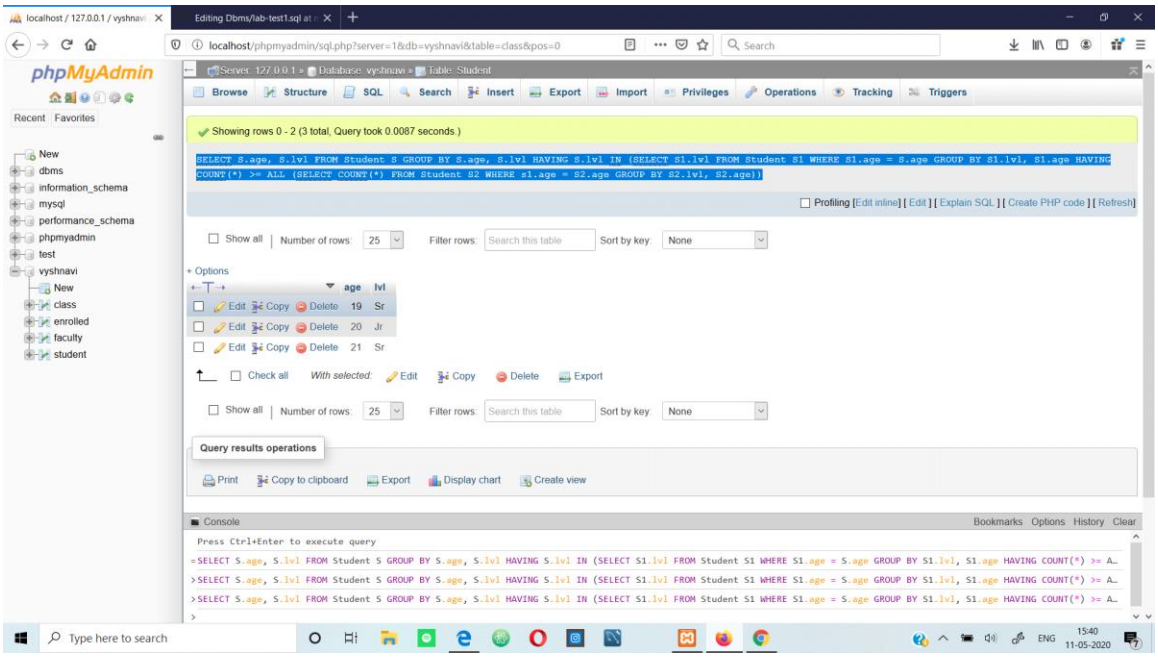

localhost / 127.0.0.1 / vyshnavi
localhost/phpmyadmin/sql.php?server=1&db=vyshnavi&table=class&pos=0
phpMyAdmin
Recent Favorites
New
dbms
information_schema
mysql
performance_schema
phpmyadmin
test
vyshnavi
New
class
enrolled
faculty
student
Server: 127.0.0.1 » Database: vyshnavi » Table: class
Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers
Show all Number of rows: 25 Filter rows: Search this table Sort by key: None
Options
cname metts_at room fid
Edit Copy Delete class10 2012-11-15 10:15:16 R128 14
Edit Copy Delete class2 2012-11-15 10:15:20 R2 12
Edit Copy Delete class3 2012-11-15 10:15:25 R3 12
Edit Copy Delete class4 2012-11-15 20:15:20 R4 14
Edit Copy Delete class5 2012-11-15 20:15:20 R3 15
Edit Copy Delete class6 2012-11-15 13:20:20 R2 14
Edit Copy Delete class7 2012-11-15 10:10:10 R3 14
Check all With selected: Edit Copy Delete Export
Show all Number of rows: 25 Filter rows: Search this table Sort by key: None
Query results operations
Print Copy to clipboard Export Display chart Create view
Bookmark this SQL query
Console
Bookmarks Options History Clear
=insert into class values('class6', '12/11/15 13:20:20', 'R2', 14
>insert into class values('class6', '12/11/15 13:20:20', 'R2', 14)
Expand Requery Edit Explain Profiling Bookmark Database : vyshnavi Queried time : 15:20:33
SELECT * FROM `class`
Type here to search
ENG 15:20 11-05-2020


localhost / 127.0.0.1 / vyshnavi
localhost/phpmyadmin/sql.php?server=1&db=vyshnavi&table=enrolled&pos=0
phpMyAdmin
Recent Favorites
New
dbms
information_schema
mysql
performance_schema
phpmyadmin
test
vyshnavi
New
class
enrolled
faculty
student
Server: 127.0.0.1 » Database: vyshnavi » Table: enrolled
Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers
Showing rows 0 - 4 (5 total, Query took 0.0007 seconds.)
SELECT * FROM `enrolled`
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None
Options
snum cname
1 class5
2 class5
3 class5
4 class5
5 class5
Edit Copy Delete
Check all With selected: Edit Copy Delete Export
Query results operations
Print Copy to clipboard Export Display chart Create view
Console
Bookmarks Options History Clear
>insert into enrolled values(3, 'class5')
>insert into enrolled values(4, 'class5')
Expand Requery Edit Explain Profiling Bookmark Database : vyshnavi Queried time : 15:22:36
>SELECT * FROM `enrolled`
Type here to search
ENG
15:22
11-05-2020


localhost / 127.0.0.1 / vyshnavi
localhost/phpmyadmin/sql.php?server=1&db=vyshnavi&table=enrolled&pos=0
phpMyAdmin
Recent Favorites
New
dbms
information_schema
mysql
performance_schema
phpmyadmin
test
vyshnavi
New
class
enrolled
faculty
student
Server: 127.0.0.1 » Database: vyshnavi » Table: enrolled
Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers
SELECT * FROM `enrolled`
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None
Options
snum cname
1 class1
1 class5
2 class1
2 class5
3 class3
3 class5
4 class3
4 class5
5 class4
5 class5
Edit Copy Delete
Check all With selected: Edit Copy Delete Export
Console
Bookmarks Options History Clear
>insert into enrolled values(3, 'class5')
>insert into enrolled values(2, 'class5')
Expand Requery Edit Explain Profiling Bookmark Database : vyshnavi Queried time : 15:27:4
>SELECT * FROM `enrolled`
Type here to search
ENG
15:27
11-05-2020


phpMyAdmin
Showing rows 0 - 0 (1 total, Query took 0.0109 seconds.)
SELECT DISTINCT S.sname FROM Student S WHERE S.snum IN (SELECT E1.snum FROM Enrolled E1, Enrolled E2, Class C1, Class C2 WHERE E1.snum = E2.snum AND E1.cname <> E2.cname AND E1.cname = C1.cname AND E2.cname = C2.cname AND C1.metts_at = C2.metts_at)
sname
Rahul
Query results operations
Bookmark this SQL query
Console
SELECT * FROM `class`


phpMyAdmin
Showing rows 0 - 0 (1 total, Query took 0.0125 seconds.)
SELECT DISTINCT F.fname FROM Faculty F WHERE NOT EXISTS ((SELECT C.room FROM Class C) EXCEPT (SELECT C1.room FROM Class C1 WHERE C1.fid = F.fid))
fname
Shiva
Query results operations
Bookmark this SQL query
Console
SELECT DISTINCT F.fname FROM Faculty F WHERE NOT EXISTS ((SELECT C.room FROM Class C) MINUS (SELECTC1.room FROM Class C1 WHERE C1.fid = F.fid));


phpMyAdmin
Recent Favorites
New
dbms
information_schema
mysql
performance_schema
phpmyadmin
test
vyshnavi
New
class
enrolled
faculty
student
Server: 127.0.0.1 » Database: vyshnavi » Table: Student
Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers
Showing rows 0 - 2 (3 total, Query took 0.0087 seconds.)
SELECT S.age, S.lvl FROM Student S GROUP BY S.age, S.lvl HAVING S.lvl IN (SELECT S1.lvl FROM Student S1 WHERE S1.age = S.age GROUP BY S1.lvl, S1.age HAVING COUNT(*) >= ALL (SELECT COUNT(*) FROM Student S2 WHERE s1.age = S2.age GROUP BY S2.lvl, S2.age))
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None
+ Options
age lvl
Edit Copy Delete 19 Sr
Edit Copy Delete 20 Jr
Edit Copy Delete 21 Sr
Check all With selected: Edit Copy Delete Export
Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None
Query results operations
Print Copy to clipboard Export Display chart Create view
Console
Bookmarks Options History Clear
Press Ctrl+Enter to execute query
SELECT S.age, S.lvl FROM Student S GROUP BY S.age, S.lvl HAVING S.lvl IN (SELECT S1.lvl FROM Student S1 WHERE S1.age = S.age GROUP BY S1.lvl, S1.age HAVING COUNT(*) >= A...
SELECT S.age, S.lvl FROM Student S GROUP BY S.age, S.lvl HAVING S.lvl IN (SELECT S1.lvl FROM Student S1 WHERE S1.age = S.age GROUP BY S1.lvl, S1.age HAVING COUNT(*) >= A...
SELECT S.age, S.lvl FROM Student S GROUP BY S.age, S.lvl HAVING S.lvl IN (SELECT S1.lvl FROM Student S1 WHERE S1.age = S.age GROUP BY S1.lvl, S1.age HAVING COUNT(*) >= A...
Type here to search
ENG
15:40
11-05-2020