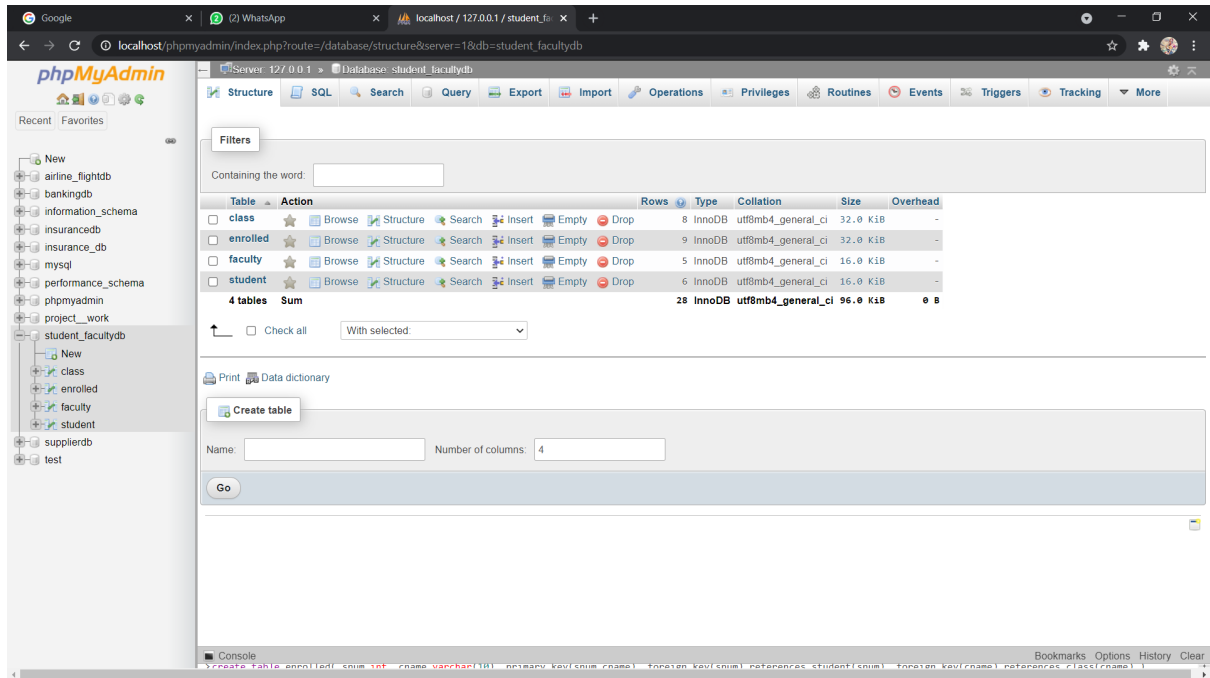


LAB- 4

STUDENT & FACULTY DATABASE:-

DATABASE:-



TABLES:-

STUDENT



Google (2) WhatsApp localhost / 127.0.0.1 / student_f...

localhost/phpmyadmin/index.php?route=/sql&server=1&db=student_facultydb&table=student&pos=0

phpMyAdmin

Recent Favorites

New

- airline_flightdb
- bankingdb
- information_schema
- insurancedb
- insurance_db
- mysql
- performance_schema
- phpmyadmin
- project_work
- student_facultydb
 - New
 - class
 - enrolled
 - faculty
 - student
- supplierdb
- test

Showing rows 0 - 5 (6 total, Query took 0.0013 seconds)

SELECT * FROM 'student'

☐ 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	sname	major	lvl	age
<input type="checkbox"/> Edit Copy Delete	1	Jhon	CS	Sr	19
<input type="checkbox"/> Edit Copy Delete	2	Smith	CS	Jr	20
<input type="checkbox"/> Edit Copy Delete	3	Jacob	CV	Sr	20
<input type="checkbox"/> Edit Copy Delete	4	Tom	CS	Jr	20
<input type="checkbox"/> Edit Copy Delete	5	Rahul	CS	Jr	20
<input type="checkbox"/> Edit Copy Delete	6	Rita	CS	Sr	21

☐ 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

Label: ☐ Let every user access this bookmark

Console

FACULTY

Google (2) WhatsApp localhost / 127.0.0.1 / student_f...

localhost/phpmyadmin/index.php?route=/sql&server=1&db=student_facultydb&table=faculty&pos=0

phpMyAdmin

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- insurance_db
- mysql
- performance_schema
- phpmyadmin
- project_work
- student_facultydb
 - New
 - class
 - enrolled
 - faculty
 - student
- supplierdb
- test

Showing rows 0 - 4 (5 total, Query took 0.0014 seconds)

SELECT * FROM 'faculty'

☐ 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

	fid	fname	deptid
<input type="checkbox"/> Edit Copy Delete	11	Harish	1000
<input type="checkbox"/> Edit Copy Delete	12	MV	1000
<input type="checkbox"/> Edit Copy Delete	13	Mira	1001
<input type="checkbox"/> Edit Copy Delete	14	Shiva	1002
<input type="checkbox"/> Edit Copy Delete	15	Nupur	1000

☐ 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

Label: ☐ Let every user access this bookmark

Bookmark this SQL query

Console

CLASS

Showing rows 0 - 7 (8 total, Query took 0.0012 seconds)

```
SELECT * FROM `class`
```

Options: Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

				cname	meets	room	fid
<input type="checkbox"/>	Edit	Copy	Delete	class1	2012-11-15 10:15:16	R1	14
<input type="checkbox"/>	Edit	Copy	Delete	class10	2012-11-15 10:15:16	R128	14
<input type="checkbox"/>	Edit	Copy	Delete	class2	2012-11-15 10:15:20	R2	12
<input type="checkbox"/>	Edit	Copy	Delete	class3	2012-11-15 10:15:25	R3	12
<input type="checkbox"/>	Edit	Copy	Delete	class4	2012-11-15 20:15:20	R4	14
<input type="checkbox"/>	Edit	Copy	Delete	class5	2012-11-15 20:15:20	R3	15
<input type="checkbox"/>	Edit	Copy	Delete	class6	2012-11-15 13:20:20	R2	14
<input type="checkbox"/>	Edit	Copy	Delete	class7	2012-11-15 10:10:10	R3	14

Query results operations: Print | Copy to clipboard | Export | Display chart | Create view

Bookmark this SQL query

ENROLLED

Showing rows 0 - 8 (9 total, Query took 0.0014 seconds)

```
SELECT * FROM `enrolled`
```

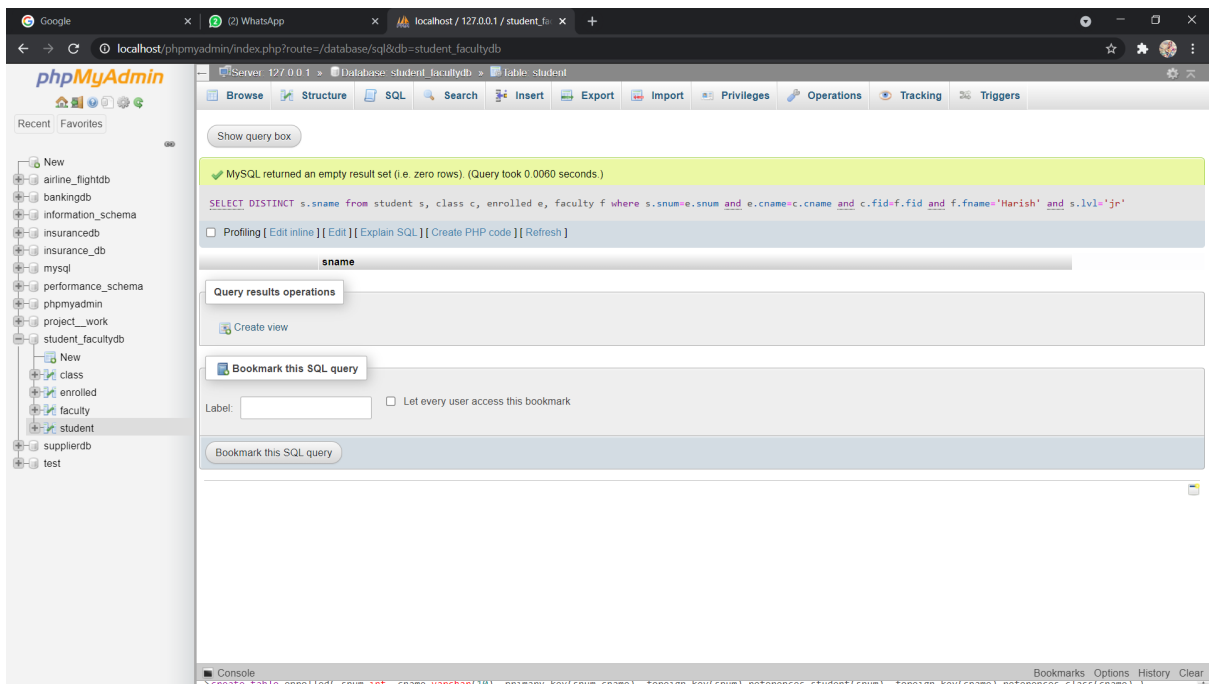
Options: Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

				snum	cname
<input type="checkbox"/>	Edit	Copy	Delete	1	class1
<input type="checkbox"/>	Edit	Copy	Delete	2	class1
<input type="checkbox"/>	Edit	Copy	Delete	2	class5
<input type="checkbox"/>	Edit	Copy	Delete	3	class3
<input type="checkbox"/>	Edit	Copy	Delete	3	class5
<input type="checkbox"/>	Edit	Copy	Delete	4	class3
<input type="checkbox"/>	Edit	Copy	Delete	4	class5
<input type="checkbox"/>	Edit	Copy	Delete	5	class4
<input type="checkbox"/>	Edit	Copy	Delete	5	class5

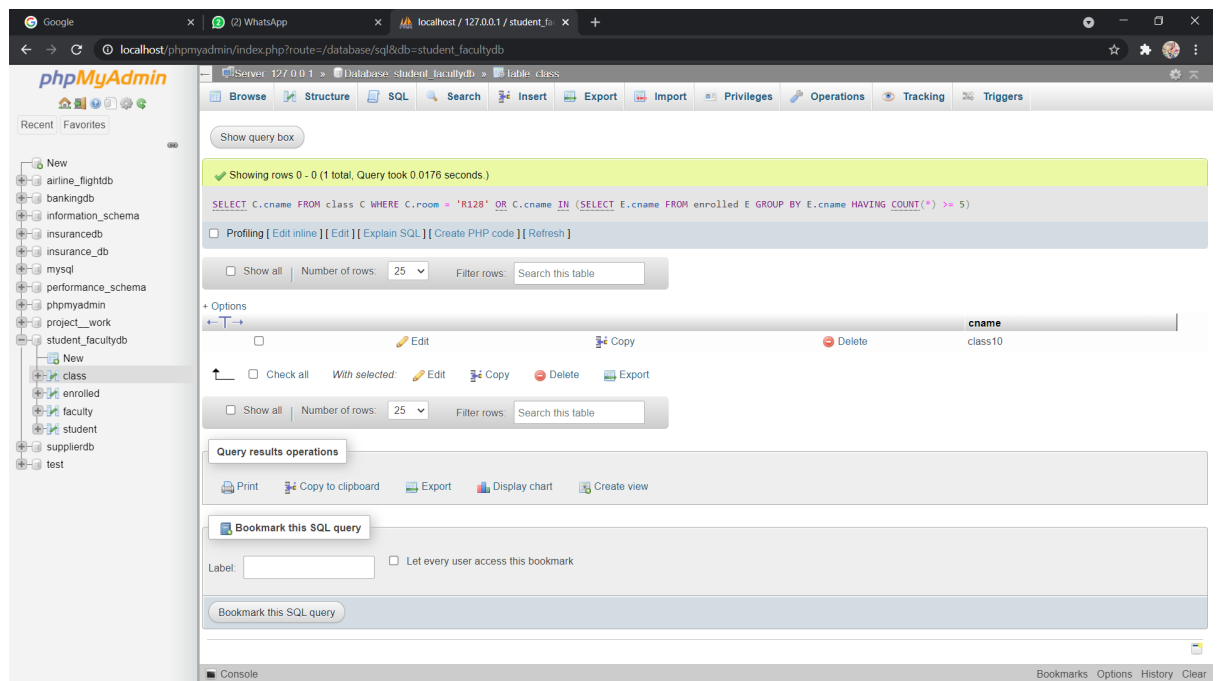
Query results operations: Print | Copy to clipboard | Export | Display chart | Create view

Bookmark this SQL query

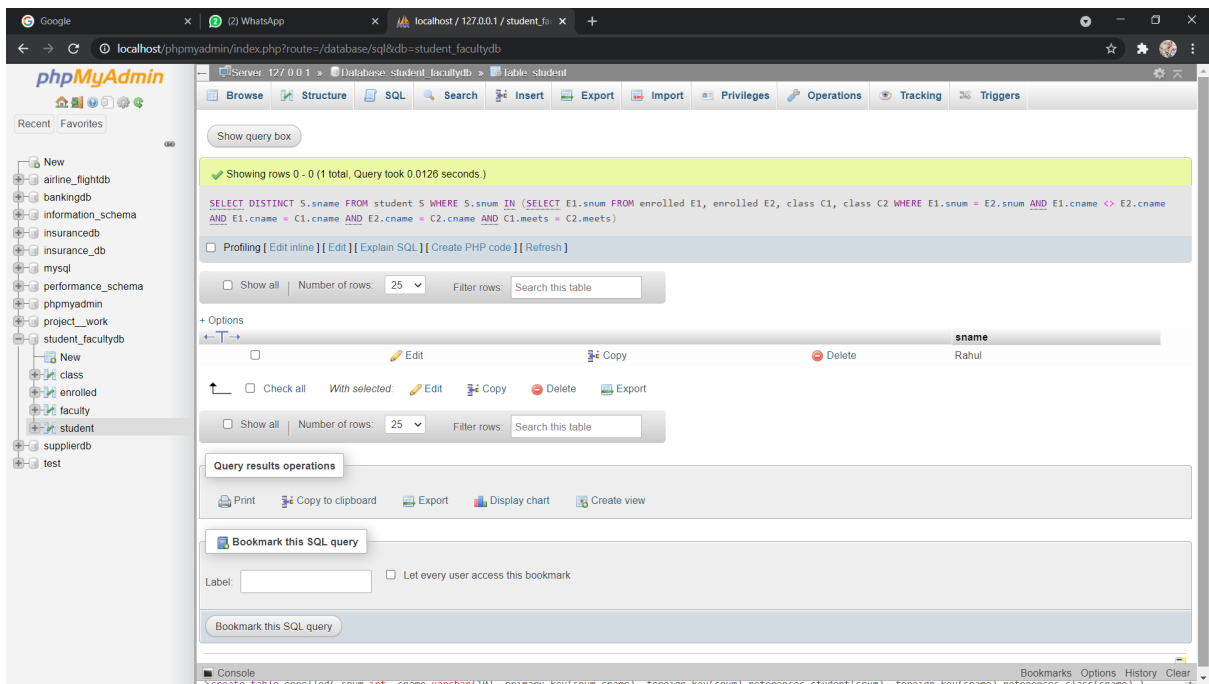
Find the names of all Juniors (level = Jr) who are enrolled in a class taught by Harish.



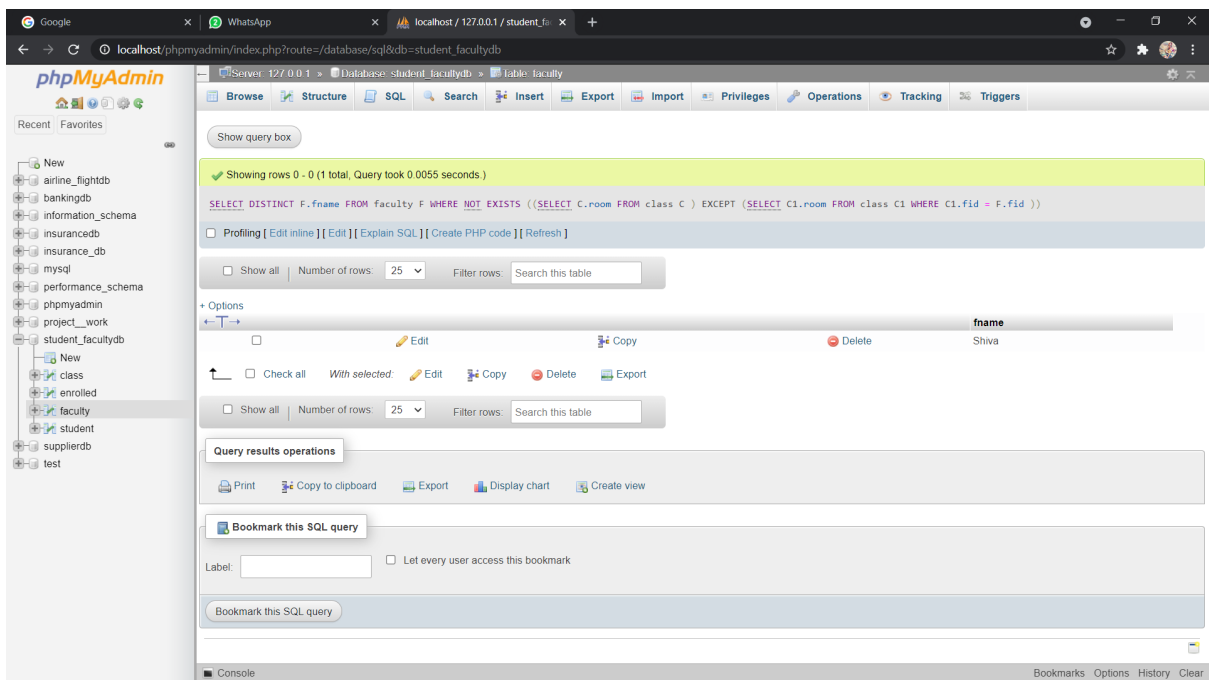
Find the names of all classes that either meet in room R128 or have five or more Students enrolled.



Find the names of all student s who are enrolled in two classes that meet at the same time.



Find the names of faculty members who teach in every room in which some class is taught.



Find the names of faculty members for whom the combined enrollment of the courses that they teach is less than five

Showing rows 0 - 4 (5 total, Query took 0.0067 seconds)

```
SELECT DISTINCT F.fname FROM faculty F WHERE S > (SELECT COUNT(E.snum) FROM class C, enrolled E WHERE C.cname = E.cname AND C.fid = F.fid)
```

	fname
<input type="checkbox"/>	Harish
<input type="checkbox"/>	MV
<input type="checkbox"/>	Mira
<input type="checkbox"/>	Shiva
<input type="checkbox"/>	Nupur

Find the names of students who are not enrolled in any class

Showing rows 0 - 0 (1 total, Query took 0.0017 seconds)

```
SELECT DISTINCT S.sname FROM student S WHERE S.snum NOT IN (SELECT E.snum FROM enrolled E)
```

	sname
<input type="checkbox"/>	Rita

For each age value that appears in Students, find the level value that appears most often. For example, if there are more FR level students aged 18 than SR, JR, or SO students aged 18, you should print the pair (18, FR).

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localhost/phpmyadmin/index.php?route=/database/sql&db=student_facultydb

phpMyAdmin

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- insurancedb
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- performance_schema
- phpmyadmin
- project_work
- student_facultydb
 - New
 - class
 - enrolled
 - faculty
 - student
- supplierdb
- test

Server: 127.0.0.1 » Database: student_facultydb » Table: student

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Show query box

Showing rows 0 - 2 (3 total, Query took 0.0044 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
<input type="checkbox"/>	Edit	Copy	Delete	19	Sr
<input type="checkbox"/>	Edit	Copy	Delete	20	Jr
<input type="checkbox"/>	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

Bookmark this SQL query

Label: ☐ Let every user access this bookmark

Console

Bookmarks Options History Clear