

BLM2058 Lab-5

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1)

```
mysql> SELECT DISTINCT sname FROM student INNER JOIN enrolled ON student.snum = enrolled.snum INNER JOIN class ON class.name = enrolled.cname WHERE fid = 45 AND level = "Junior";
+-----+
| sname |
+-----+
| Mehmet Sahin |
| Murat Baykus |
+-----+
2 rows in set (0.00 sec)
```

2)

```
mysql> SELECT age FROM student WHERE major = "History" UNION SELECT age FROM student INNER JOIN enrolled ON student.snum = enrolled.snum INNER JOIN class ON class.name = enrolled.cname WHERE fid = 45 ORDER BY age DESC LIMIT 1;
+-----+
| age |
+-----+
| 21 |
+-----+
1 row in set (0.00 sec)
```

3)

```
mysql> SELECT DISTINCT name FROM class WHERE room = "R128" UNION SELECT cname FROM enrolled GROUP BY cname HAVING COUNT(cname) > 2;
+-----+
| name |
+-----+
| ENG205 |
| HIS105 |
| MAT108 |
| ENG208 |
| HIS207 |
| MAT101 |
| MAT107 |
+-----+
7 rows in set (0.00 sec)
```

4)

```
mysql> SELECT sname FROM student INNER JOIN enrolled ON student.snum = enrolled.snum INNER JOIN (SELECT name FROM class WHERE meetsat IN (SELECT meetsat FROM class GROUP BY meetsat HAVING COUNT(*) > 1)) col ON col.name = enrolled.cname GROUP BY sname HAVING COUNT(sname) = 2;
+-----+
| sname |
+-----+
| Ahmet Kartal |
| Murat Baykus |
+-----+
2 rows in set (0.00 sec)
```

5)

```
mysql> SELECT fname FROM faculty INNER JOIN (SELECT fid FROM (SELECT DISTINCT room, fid FROM class) AS rooms GROUP BY fid HAVING COUNT(fid) = (SELECT COUNT(DISTINCT room) AS room_num FROM class)) fids ON fids.fid = faculty.fid;
+-----+
| fname |
+-----+
| Semih Z. |
+-----+
1 row in set (0.00 sec)
```

6)

yapamadım

7)

```
mysql> SELECT level, AVG(age) AS aver FROM student GROUP BY level;
+-----+-----+
| level | aver |
+-----+-----+
| Senior | 20.0000 |
| Junior | 18.6667 |
| Freshmen | 17.0000 |
| Sophomore | 18.0000 |
+-----+-----+
4 rows in set (0.00 sec)
```

8)

```
mysql> SELECT level, AVG(age) as aver FROM student WHERE level <> "Junior" GROUP BY level;
```

level	aver
Senior	20.0000
Freshmen	17.0000
Sophomore	18.0000

3 rows in set (0.00 sec)