

1. `SELECT Department_name, COUNT(*) as Number_Of_Student FROM student GROUP BY department_name`

Database university1

Table structure for table student

Column	Type	Null	Default
<i>student_id</i>	int(10)	No	
student_name	varchar(25)	Yes	NULL
department_name	varchar(25)	Yes	NULL
total_credits	int(10)	Yes	NULL
birthdate	date	Yes	NULL

Dumping data for table student

```
civil      1
comp       2
electroni  1
cs
```

2. `SELECT instructor.instructor_name,count(*) as Number_Of_Course_Teaching from instructor,teaches where instructor.instructor_id=teaches.instructor_id GROUP by teaches.instructor_id;`

Database university1

Table structure for table instructor

Column	Type	Null	Default
<i>instructor_id</i>	int(10)	No	
instructor_name	varchar(25)	Yes	NULL
department_name	varchar(25)	Yes	NULL
salary	mediumtext	Yes	NULL

Dumping data for table instructor

```
aaa 2
bbb 2
ccc 2
ddd 1
```

3. SELECT course.title ,count(*) as Number_Of_Sudent_Registered from takes,course WHERE course.course_id=takes.course_id GROUP by course.course_id

Database university1

Table structure for table course

Column	Type	Null	Default
course_id	int(10)	No	
title	varchar(25)	Yes	NULL
department_name	varchar(25)	Yes	NULL
credits	int(10)	Yes	NULL

Dumping data for table course

dbms	2
os	2
mechanics	1
foundation	1
Engineering	
signals and system	1

4. SELECT student_name, max(total_credits) AS total_credits_taken FROM student GROUP BY student_id

Database university1

Table structure for table student

Column	Type	Null	Default
student_id	int(10)	No	
student_name	varchar(25)	Yes	NULL
department_name	varchar(25)	Yes	NULL
total_credits	int(10)	Yes	NULL
birthdate	date	Yes	NULL

Dumping data for table student

sam	8
mary	7
judi	4
t	
Elis	4

5. SELECT title,max(credits) as Max_No_Of_Credits from course GROUP by title Database university1

Table structure for table course

Column	Type	Null	Default
<i>course_id</i>	int(10)	No	
title	varchar(25)	Yes	NULL
department_name	varchar(25)	Yes	NULL
credits	int(10)	Yes	NULL

Dumping data for table course

dbms	4
foundation Engineering	4
mechanics	3
os	4
signals and system	4

6. SELECT instructor_name,department_name,salary from instructor where department_name="comp" GROUP by instructor_id

Database university1

Table structure for table instructor

Column	Type	Null	Default
<i>instructor_id</i>	int(10)	No	
instructor_name	varchar(25)	Yes	NULL
department_name	varchar(25)	Yes	NULL
salary	mediumtext	Yes	NULL

Dumping data for table instructor

aaa comp	100000
bbb comp	50000

7. `SELECT c.title AS course_title, s.student_name, SUM(s.total_credits) AS total_credits FROM course c JOIN takes t ON c.course_id = t.course_id JOIN student s ON t.student_id = s.student_id WHERE c.department_name = 'Civil' GROUP BY c.title`

Database university1

Dumping data for table c

```
foundation Engineering      mary 7
mechanics                   mary 7
```

8. `SELECT department_name, count(*) as number_of_courses from course GROUP by department_name`

Database university1

Table structure for table course

Column	Type	Null	Default
<i>course_id</i>	int(10)	No	
title	varchar(25)	Yes	NULL
department_name	varchar(25)	Yes	NULL
credits	int(10)	Yes	NULL

Dumping data for table course

```
civil      2
comp       2
electroni  1
cs
```