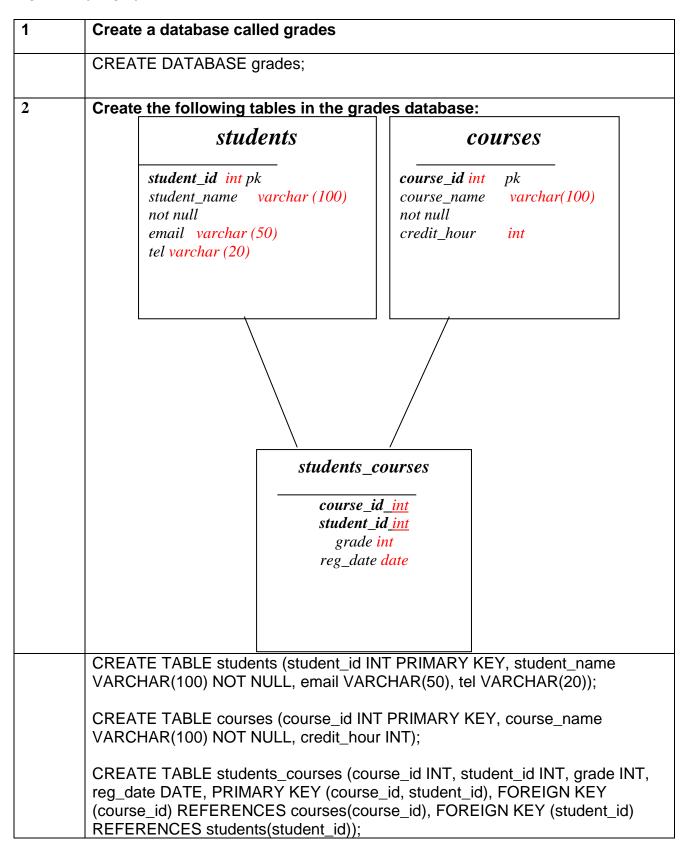
MySQL Labs

MySQL (Day1):



3	Modify the students table to allow for longer Student names (150 char) Confirm your modification.
	ALTER TABLE students MODIFY COLUMN student_name VARCHAR(150);
4	Add constraint to force unique email for each student
	ALTER TABLE students ADD CONSTRAINT unique_email UNIQUE (email);
5	Get Time, Date, Current user, MySQL Version using prompt?
	SELECT now(); or SELECT CURTIME();SELECT CURDATE(); SELECT CURRENT_USER(); SELECT VERSION();
6	Add gender column for the students table. It holds two value (male or female)
	ALTER TABLE students ADD gender VARCHAR(10);
7	Add birth_date column for the students table.
	ALTER TABLE students ADD birth_date DATE;
8	Drop the student_name column and replace it with first name and last name.
	ALTER TABLE students ADD first_name VARCHAR(100), ADD last_name VARCHAR(100); ALTER TABLE students DROP COLUMN student_name;

Part II

Populate your tables with the following records:

```
      !ariaDB [osg1]> select * from courses;

      !course_id | course_name | credit_hour |

      1 | Database | 2 |

      2 | C | 3 |

      3 | Network | 1 |

      4 | OS | 1 |

      5 | MySQL | 2 |

      6 | Java | 4 |
```

```
MariaDB [osg1]> select * from students;
 student_id | first_name | last_name | tel | email | gender | birth_date
                        | Aly
| Ibrahim
| Ossama
| Khaled
                                    NULL NULL
          1 | Ahmed
                                                  male
                                                            1991-10-01
          2 Ahmed
                                                  male
                                                            1991-09-01
          3 Ahmed
                                                            1992-10-01
                                    | NULL | NULL
                                                  male
         4 Hoda
                                    NULL NULL
                                                  | female | 1991-09-01
                        Khalil
                                    | NULL | NULL | female | 1992-10-01
          5 Mona
```

```
MariaDB [osg1]> select * from students_courses;
 student_id | course_id | grade | reg_date |
                          80 NULL
          1 |
                     1 |
                           90
          1
                     2
                                NULL
          1
                     3
                          100
                                NULL
          2
                     2
                          99 | NULL
                     3
                           80 NULL
          2
                     4
          3 |
                           70 NULL
```

1	Display all students' information.
	SELECT * FROM students;
2	Display male students only.
	SELECT * FROM students WHERE gender = 'male';
3	Display the <u>number of female</u> students.
	SELECT COUNT(*) AS female_count FROM students WHERE gender = 'female';
4	Display the students' data for the students who are born before 1992-10-01.
	SELECT * FROM students WHERE birth_date < '1992-10-01';
5	Display the students' data for the students who are born after 1991-10-01.
	SELECT * FROM students WHERE birth_date > '1991-10-01';