MySQL Labs

**MySQL – Procedure & Functions**

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| *1* | ***Create function to calculate the number of students who get grade less than 80 in a certain exam (course id will be sent as a parameter)*** |
|  | delimiter $  CREATE PROCEDURE CalculateNumberOfStudent(course\_id integer)  BEGIN  Declare count\_student integer;  Select count(student\_id) into count\_student  from grades  where course\_id = course\_id and grade < 80 ;  return count\_student;  END$  delimiter ; |
| *2* | ***Create stored procedure to display the names of the absence students of a certain courses.(Absent means has no grades)*** |
|  | delimiter $  CREATE PROCEDURE display\_absence\_student(course\_id integer)  BEGIN  Select StudentName  from grades g, students s  where g.course\_id = course\_id and g.course\_id = s.course\_id and grade  is NULL ;  END$  delimiter ; |
| *3* | ***Create stored procedure to calculate the average grades for certain course.*** |
|  | delimiter $  CREATE PROCEDURE calc \_average(course\_id integer)  BEGIN  Declare average integer;  Select avg(grade) as into average  from grades  where course\_id = course\_id ;  return average;  END$  delimiter ; |