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)*** |
|  | *Delimeter $*  *Create function getgrade(course\_ id int )*  *RETURNS int( 10 )*  *BEGIN*  *Declare student****\_****count int*  *SELECT COUNT(\*) INTO student\_count*  *FROM grades*  *WHERE course\_id = course\_id*  *AND grade < 80;*  *RETURN count(student\_count);*  *END $*  *Delimeter ;* |
| *2* | ***Create stored procedure to display the names of the absence students of a certain courses.(Absent means has no grades)*** |
|  | *Delimeter $*  *Create procedure display\_absent( course\_id int )*  *BEGIN*  *SELECT name*  *FROM students*  *WHERE student\_id NOT IN*  *( SELECT student\_id*  *FROM grades*  *WHERE course\_id = course\_id );*  *END$*  *Delimeter ;* |
| *3* | ***Create stored procedure to calculate the average grades for certain course.*** |
|  | *Delimeter $*  *Create procedure calc\_avg(course\_id integer )*  *BEGIN*  *Select AVG( grades g) as courses\_average*  *from grades*  *Where course\_id = course\_id;*  *END$*  *Delimeter ;* |