SQL Commands

below thunder symbol is used to execute statement

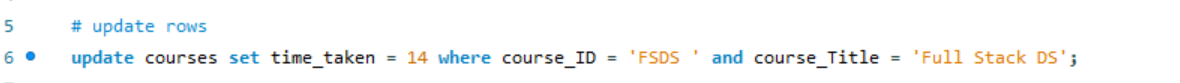
A screen shot of a computer

Description automatically generated

shortcut key is : CTRL+Enter

**set sql\_safe\_updates = 1;**

setting save mode ON, when it is ON, we cannot update table or change table





**after changing to 0**

**then able to update**

**group by errors:**

**below command always gives error related to aggregate columns**

**select continent, surfacearea,population,lifeexpectancy,gnp from country**

**group by continent;**



Error Code: 1055. Expression #2 of SELECT list is not in GROUP BY clause and contains nonaggregated column 'world.country.SurfaceArea' which is not functionally dependent on columns in GROUP BY clause; this is incompatible with sql\_mode=only\_full\_group\_by

run below commands

SELECT @@sql\_mode;

set global sql\_mode = (select replace(@sql\_mode,'only\_full\_group\_by',"'"));

if you are getting variable 'sql\_mode' can't be set to the value of 'null' error the execute below command

set global sql\_mode = (select replace(@@sql\_mode,'only\_full\_group\_by',"'"));

date/time functions:

select customer\_creation\_date as original\_date ,

date\_sub(customer\_creation\_date, interval 3 day) as sub\_date,

datediff(customer\_creation\_date,sub\_date) from online\_customer;

Error Code: 1054. Unknown column 'sub\_date' in 'field list'

corrected code:

select customer\_creation\_date as original\_date ,

date\_sub(customer\_creation\_date, interval 3 day) as sub\_date,

datediff(customer\_creation\_date,date\_sub(customer\_creation\_date, interval 3 day)) from online\_customer;

joins:

select id,age,gender,dept,manager

from demographic

inner join professional

on demographic.id = professional.id;

Error Code: 1052. Column 'id' in field list is ambiguous

corrected code

select demographic.id,age,gender,dept,manager

from demographic

inner join professional

on demographic.id = professional.id;

right join

select d.id , age,gender , dept,manager

from demographic as d

right join professional as p

on d.id = p.id;

when it is right join, always select primary key id from right table, like p.id

Full joins

select d.id, age,gender,dept,manager

from demographic as d

left join professional as p

on d.id = p.id

union

select p.id,age,gender,dept,manager

from demographic as d

right join professional as p

on d.id = p.id;