1. \*\*\*\*select student and teacher have the same province\*\*\*\*\*\*\*

select stu.firstname,stu.lastname, tea.firstname as 'teaFirstname',tea.lastname as 'teaLastname' from tblstudent stu inner join tblteacher tea on tea.province=stu.province;

1. \*\*\*\*\*\*\*\*\*\*select job =Polic in tblparent\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

select parentid from tblparent where job ='Police';

1. \*\*\*\*\*\*\*\*\*\*\*select student that have parent jop =Police\*\*\*\*\*\*\*

select \* from tblstudent where parentinchargeid in (select parentid from tblparent where job ='Police');

1. \*\*\*\*\*\*\*\*\*\*\*\*\*\*find student that have min gpa\*\*\*\*\*\*\*\*\*\*\*\*\*\*

select concat( firstname,lastname) as 'fullname', sex as 'Gender',province as 'Come Form', phone as 'Contact', gpa as 'Greate poin average' from tblstudent where gpa=(select min(gpa) from tblstudent);

1. \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*select student that note student with techer vongol and have parenid id PT0004 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

select \* from tblstudent where teacherinchargeid !=( select teacherid from tblteacher where email='hengvongkol@gmail.com') and province=(select province from tblparent where parentid='PT0004');

1. \*\*\*\*\*\*\*\*\*\*\*\*\*\*find length that greater than average of length\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

select film\_id, title,length from film where length>(select avg(length) from film) ;

1. \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*order by desc of title\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

select film\_id, title,length from film where length>(select avg(length) from film) order by title desc;

1. \*\*\*\*\*\*\*\*\*\*\*select student province that study with teacher M and don't have gpa >2 and <=5 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

use test;

select \* from tblstudent where province in(select province from tblteacher where sex='M') and gpa not in (select gpa from tblstudent where gpa>2 and gpa<=5 );

1. \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*select student that have teacher come from Phnom Penh and have teacherinchageid = teacherid\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

select \* from tblstudent where exists (select \* from tblteacher where province='Phnom Penh' and teacherinchargeid =teacherid);

1. \*\*\*\*\*\*\*\*\*\*\*\*\*\*find teacher that don't have teacherinchargeid\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

select \* from tblteacher where not exists (select \* from tblstudent where teacherinchargeid =teacherid);

1. \*\*\*\*\*\*\*\*\*\*\*\*\*“use select by subquery”\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**select** (**select** **MAX**(gpa) **from** tblstudent) **as** "MAXGPA";

or can use : **select** **MAX**(gpa) **from** tblstudent) **as** "MAXGPA";

1. \*\*\*\*\*\*\*\*select gpa\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**select** **CONCAT**(firstname,"",lastname) **as** "Full Name", sex **as** "Gendar", province **from** tblstudent **where** gpa=(**select** **MIN**(gpa) **from** tblstudent);

1. \*\*\*\*\*\*\*\*\*\*Use any and some\*\*\*\*\*\*\*\*\*\*\*

If part true show result true and (!=) false show result false

**select** \* **from** tblstudent **where** province != **any**(**select** province **from** tblteacher **where** subject="C++");

or **select** \* **from** tblstudent **where** province != **some**(**select** province **from** tblteacher **where** subject="C++");

DB::table('users')->join('profiles','user\_id','=','profiles.user\_id')->where ('users.name','=','samai')->select('profiles.phone')->get();

\*\*\*\*\*use inner join \*\*\*\*\*\*\*\*\*

-select student that have then same id of teacher

**select** stu.studentid **as** "student Id", **concat**(stu.firstname,' ',stu.lastname) **as** "Full name", stu.sex **as** "Gender", stu.subject **as** "Subject",

**concat**(te.firstname,' ',te.lastname) **as** "Intructor", te.email **as** "Contact"

**from** tblstudent stu **inner** **join** tblteacher te **on** te.teacherid = stu.teacherinchargeid;

\*\*\*\*use where to replace inner join\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

-select student that have teacher form phnom phen and have the same id

**select** \* **from** tblstudent stu ,tblteacher tea **where** tea.teacherid = stu.teacherinchargeid **and** tea.province="Phnom Penh";

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*select category that have name amination by show id of film table and description of table fime\*\*\*\*\*\*\*\*\*\*

====Relation ship many to many=========

==first way use where=====

**select** film.film\_id,film.description, category.name **from** film ,category,film\_category

**where** film.film\_id=film\_category.film\_id **and**

film\_category.category\_id=category.category\_id **and** category.name="Animation";

=====second way user inner join=====

**select** film.film\_id,film.description, category.name **from** film

**inner** **join** film\_category **on** film.film\_id=film\_category.film\_id

**inner** **join** category **on**

film\_category.category\_id=category.category\_id **where** category.name="Animation";

+++++COUNT+++++++++

**select** **COUNT**(film.film\_id) **from** film

**inner** **join** film\_category **on** film.film\_id=film\_category.film\_id

**inner** **join** category **on**

film\_category.category\_id=category.category\_id **where** category.name="Animation";