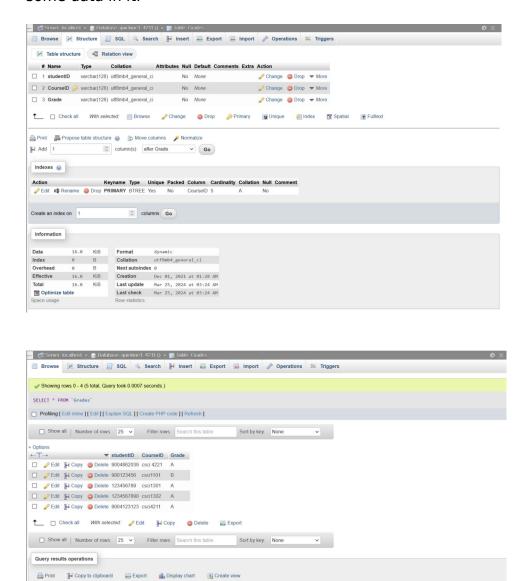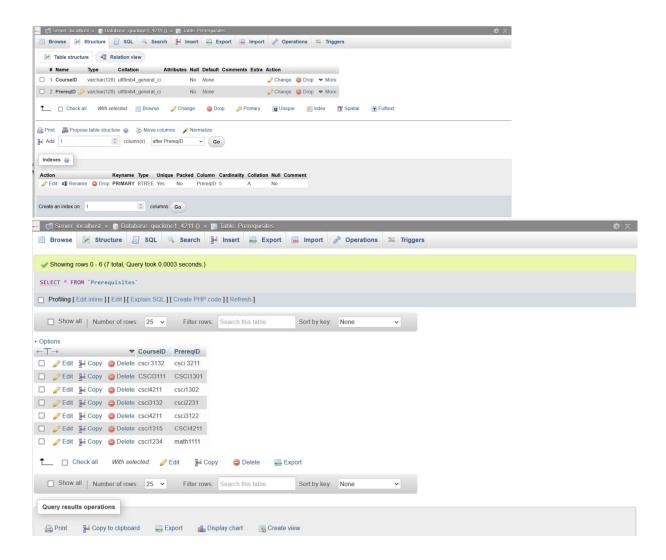1. Do an insert, update, display delete and search for Grades. Here is the table structure and some data in it.

2. Use the example of student insert, update, delete, display and search to solve this problem.

Suppose someone wants to register for a specific course. Please determine if they have the prerequisite for that course. For instance, if the prerequisite for CSCI4211 is csci1302, they must have passed csci1302 with a C or better. See the pre-requisites table structure and data Table.

Hint: Given that the course is CSCI4211, first go to the prerequisite table. Search for all instances of CSCI4211 and display all prerequisites found. This is a display operation.

Next for each instance of perquisite found say csci1302, go to the grades table and find out the grade that this student got. If the grade is a C or better, then the student can register, otherwise they cannot register.

Here is code you can work with. This code was working in the old system and is just a template to work with. It therefore is not running in the new W3Schools connection and syntax of the commands. Please use the format of the working routines like the search routine to determine how to retrieve records from tables. Do not forget to change the connection method. Please change it.

<html>

<body>

Results of Student Database


```php
<?php
// Display Data in the database


// connect to the server
$dbcnx = @mysql_connect("localhost", "quickme1_4211", "csci4211");


if (!$dbcnx) {
echo( "<p>Unable to connect to the " .
"database server at this time.</p>"
);
exit();
}


// Select the database
if (! @mysql_select_db("quickme1_4211") ) {
echo( "<p>Unable to locate the student"  .
"database at this time.</p>" );
exit();
}
$studentID='1234567890';
$thecourseID='csci4211';
// retrieve all the Prerequisites for csci4211
$query = "SELECT PrereqID, courseID FROM `Prerequisites` where `courseID`='$thecourseID'";


$results = mysql_query( $query );
echo("The Studentid is.$studentID");


// print out the results
if( $results )
{
while( $results1 = mysql_fetch_object( $results ) )
{
```

```php
// print out the info

$PrereqID = $results1->PrereqID;

echo("$PrereqID");

echo("$studentID");

// You have now printed the prerequisites

//Next find out the grades

$query1= "select Grade from Grades where `studentID`='$studentID' and 'CourseID'=$PrereqID" and

'Grade'in {'A', 'B', 'C'}";

$results2 = mysql_query($query1);


if ( $results2 )
{
echo("You have the prerequisites, you may register");


}
else
echo("You do not have the prerequisites");
}
}


?>


</body>
</html>
```