Question 4:

echo "< form action='file.name' method='post' >";

if($result = $conn->query(select country, country\_id from country﻿))﻿﻿﻿﻿﻿ {

echo "< select name='country' >";

while($row = $result->fetch\_array(MYSQLI\_BOTH)) {

echo "< option value=".$row['country\_id']." >".$row[0]."< /option>";

}﻿﻿﻿﻿

}﻿

echo "< /select>";

echo "< input name='submitButton' type='submit' value='View this country's customers.' >";

if(isset("submitButton")) {

$countryID = $\_POST['country'];

if($result = $conn->query(select c.first\_name, c.last\_name from customer c where customer.address\_id in﻿

(select a.address\_id from address a where address.city\_id in

(select c.city\_id in city c where c.country\_id = $countryID))))﻿﻿﻿﻿﻿ {

while($row = $result->fetch\_array(MYSQLI\_BOTH)) {

echo $row['last\_name'].", ".$row['first\_name'];

}

}

$conn->close();

$conn = null;

Question 3:

create view customers

﻿﻿﻿with select customer.first\_name, customer.Last\_name, country.country

from customer, country

left join customer, address, city, country

on customer.address\_id = address.address\_id AND address.city\_id = city.city\_id AND city﻿﻿﻿﻿﻿﻿﻿﻿﻿﻿.country\_id = country.country\_id

ordered by country.country, customer.last\_name;

Question 2:

select country

from country

inner join (select city\_id

from city

left join address, customer

on city.city\_id = address.city\_id AND address.address\_id = customer.address\_id)

on country.country\_id != city.country\_id;