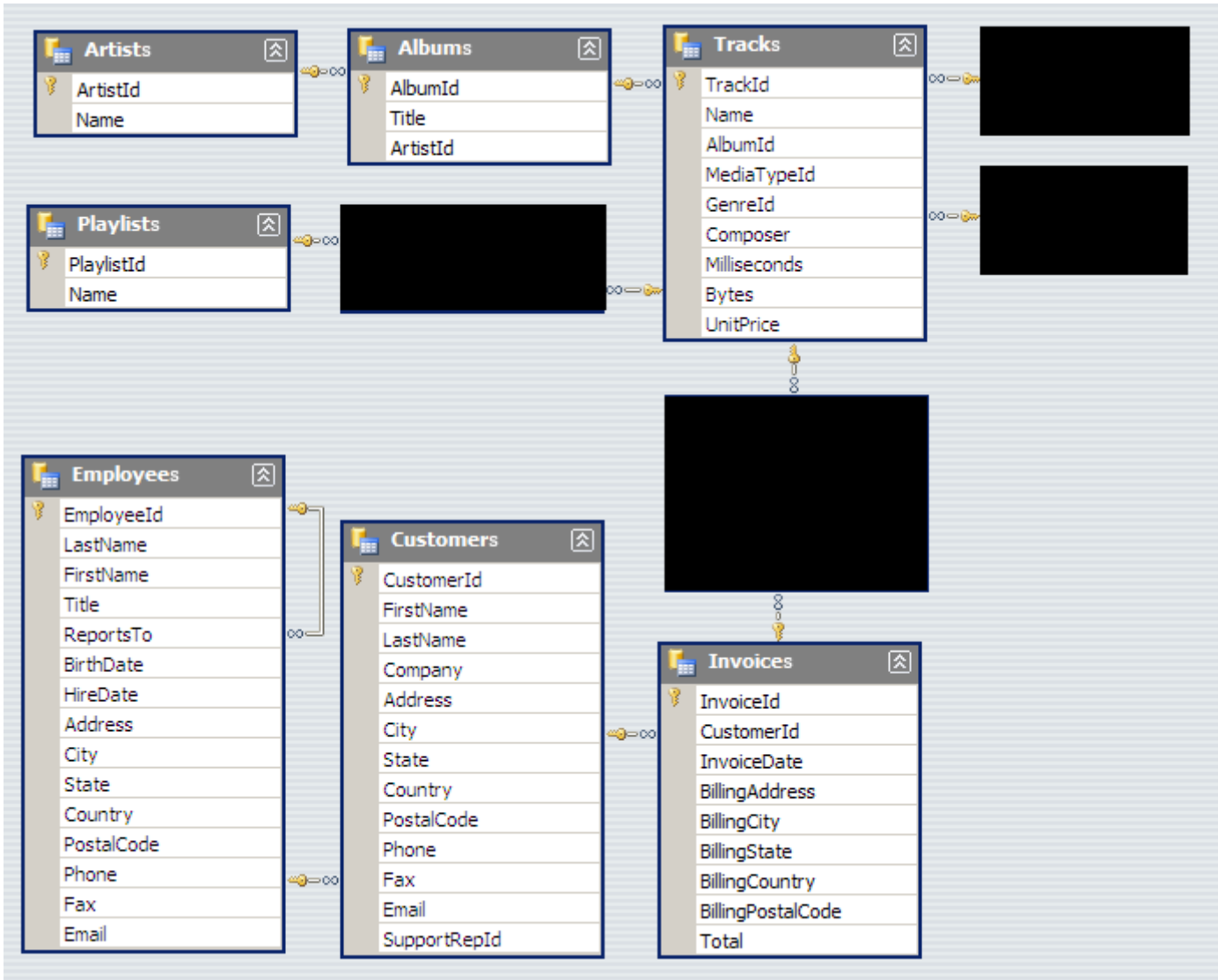# Module 4 Coding Questions

Pull a list of customer ids with the customer's full name, and address, along with combining their city and country together. Be sure to make a space in between these two and make it UPPER CASE.
MOUNTAIN VIEW USA

```
select c.customerid,
c.firstname || ' ' || c.lastname as full_name,
c.address,
upper(c.city || ' ' || c.country) as city_country
from customers c
```

Create a new employee user id by combining the first 4 letters of the employee's first name with the first 2 letters of the employee's last name. Make the new field lower case and pull each individual step to show your work. RobeKi

```
select c.firstname,
substr(c.firstname, 1, 4) as firstnameshort,
c.lastname,
substr(c.lastname, 1, 2) as lastnameshort,
lower(substr(c.firstname, 1, 4) || substr(c.lastname,1,2)) as newid
```

```
from Customers c
```

Show a list of employees who have worked for the company for 15 or more years using the current date function. Sort by lastname ascending. Peacock

```
select e.lastname, e.firstname, e.birthdate, date('now') - e.birthdate as age,
date('now') - e.hiredate as tenure
from employees e
where tenure >= 15
order by e.lastname asc
```

Find the cities with the most customers and rank in descending order. Sao Paulo, Mountain View, London

```
select c.city, count(c.customerid) as count_customer
from customers c
group by c.city
order by count(c.customerid) desc
```

Find all the tracks whose name starts with 'All'. While only 10 records are shown, the query will indicate how many total records there are for this query - enter that number below. Create a new customer invoice id by combining a customer's invoice id with their first and last name while ordering your query in the following order: firstname, lastname, and invoiceID. AstridGruber273, AstridGruber296, AstridGruber370

```
select c.firstname || c.lastname || i.invoiceid as newinvoiceid
from customers c
left join invoices i
on c.customerid = i.customerid
where newinvoiceid like 'astridgruber%'
order by c.firstname, c.lastname, i.invoiceid
```