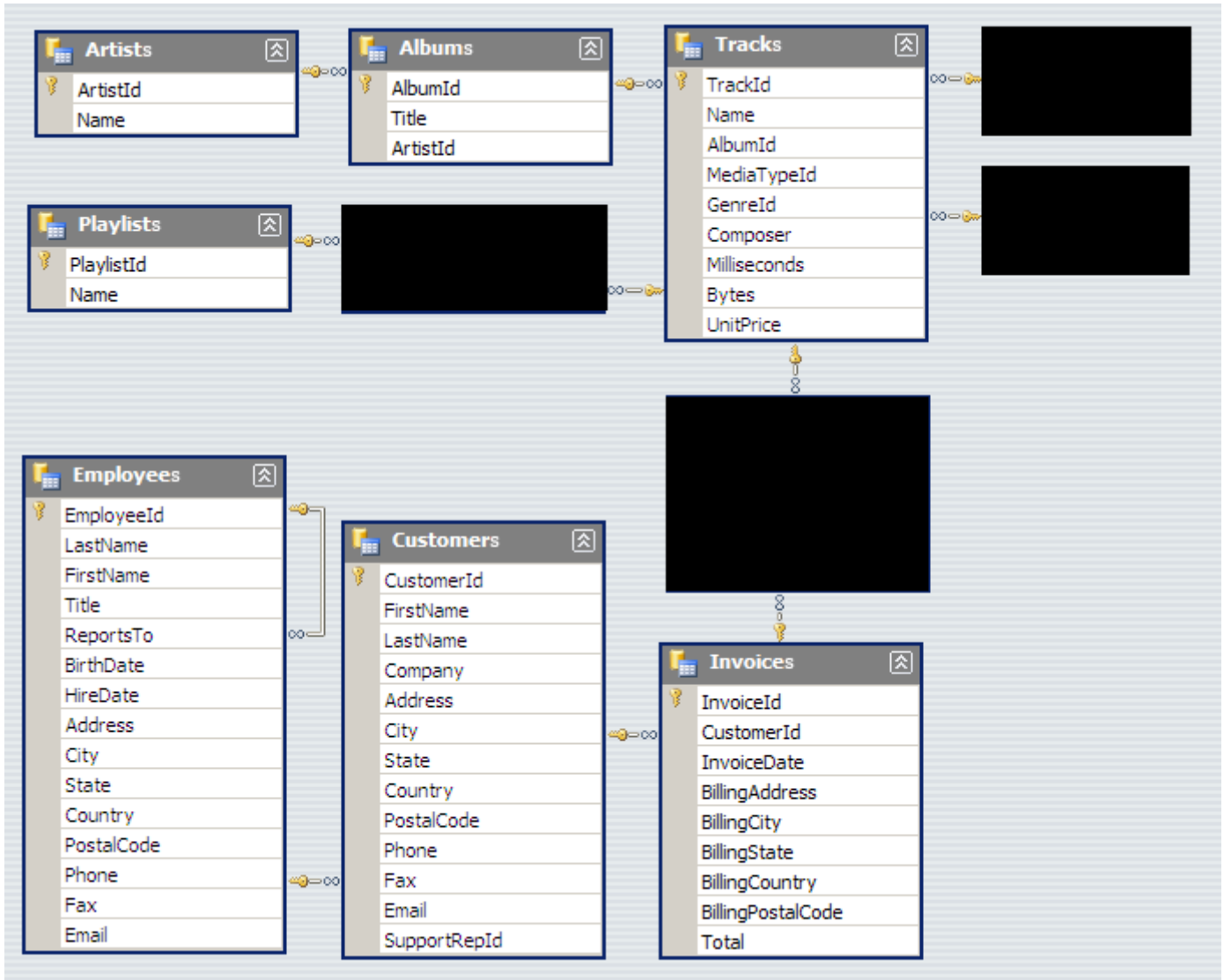# Module 3 Coding Questions

Using a subquery, find the names of all the tracks for the album "Californication". Porcelain

```
select albums.title, tracks.name
from tracks
join albums
on albums.albumid = tracks.albumid
where albums.title = "Californication"
```

Find the total number of invoices for each customer along with the customer's full name, city and email. frantisekw@jetbrains.com

```
select customers.firstname, customers.lastname, customers.city, customers.email,
invoices.invoiceid
from customers
join invoices
on invoices.customerid = customers.customerid
where FirstName like 'František'
group by 1
```

Retrieve the track name, album, artistID, and trackID for all the albums. Breaking The Rules

```
select tracks.name, albums.title, albums.artistid, tracks.trackid
from tracks
join albums
on albums.albumid = tracks.albumid
```

Retrieve a list with the managers last name, and the last name of the employees who report to him or her. Callahan, King.

```
select ReportsTo, LastName
from employees
```

Find the name and ID of the artists who do not have albums. *Gilberto*

```
select artists.artistid, artists.name
from artists
left join albums
on artists.artistid = albums.artistid
where albums.albumid is null
```

Use a UNION to create a list of all the employee's and customer's first names and last names ordered by the last name in descending order. Taylor

```
select e.firstname, e.lastname
from employees e
union
select c.firstname, c.lastname
from customers c
order by c.lastname desc
```

See if there are any customers who have a different city listed in their billing city versus their customer city. No customers.

```
select c.firstname, c.lastname, c.city, i.billingcity
from customers c
join invoices i
on c.customerid = i.customerid
where c.city <> i.billingcity
```