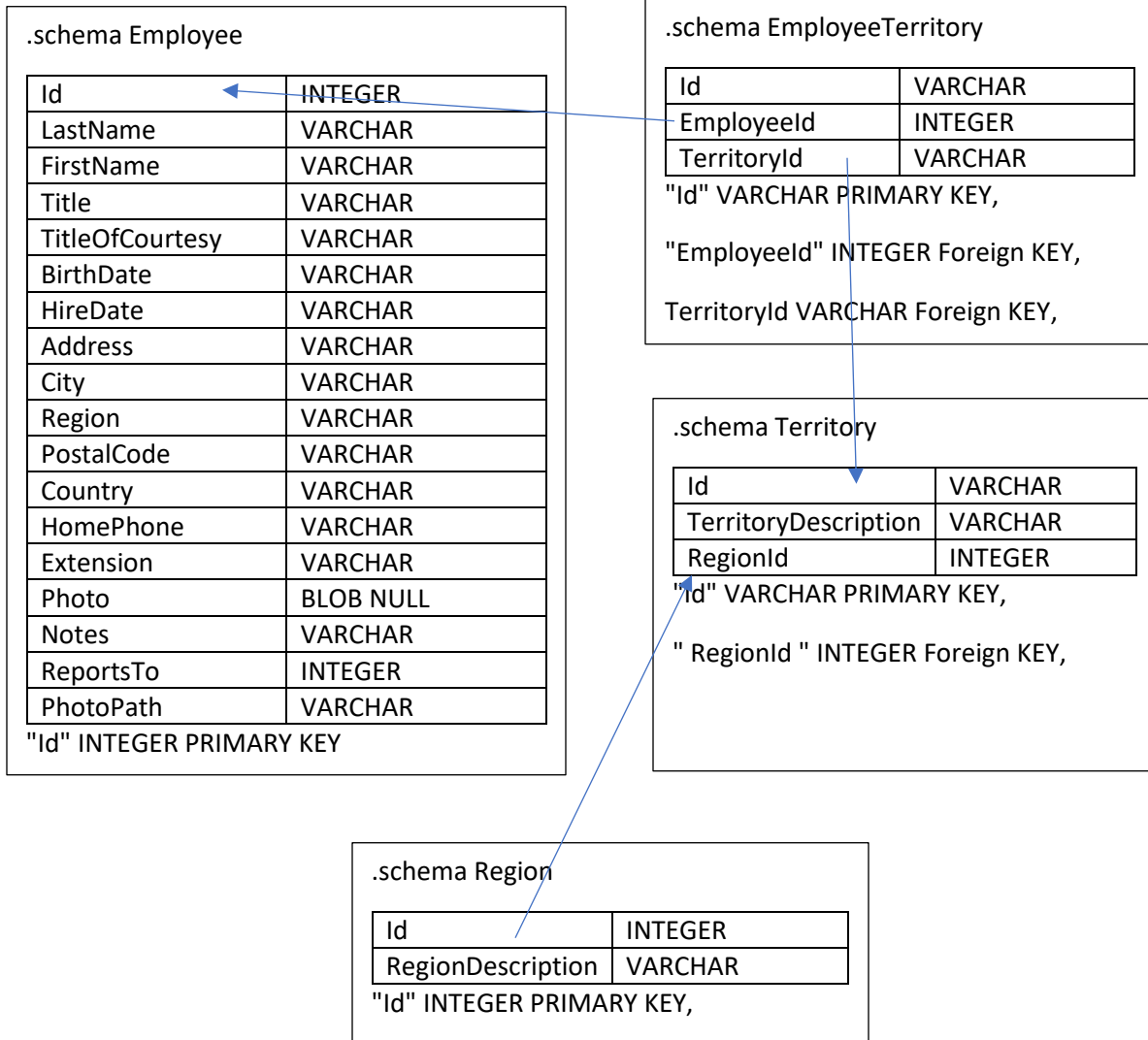


Homework6

1. Write an SQL query to list EmployeeID, first name, last name, birthdate, TerritoryId, TerritoryDescription, RegionID, RegionDescription for each employee on northwind.db. (10 points)



The output is:

```

e:\CSC315\Data>sqlite3 northwind.db ".read q1.sql"
1|Nancy|Davolio|1980-12-08|06897|Wilton|1|Eastern
1|Nancy|Davolio|1980-12-08|19713|Neward|1|Eastern
2|Andrew|Fuller|1984-02-19|01581|Westboro|1|Eastern
2|Andrew|Fuller|1984-02-19|01730|Bedford|1|Eastern
2|Andrew|Fuller|1984-02-19|01833|Georgetow|1|Eastern
2|Andrew|Fuller|1984-02-19|02116|Boston|1|Eastern
2|Andrew|Fuller|1984-02-19|02139|Cambridge|1|Eastern
2|Andrew|Fuller|1984-02-19|02184|Braintree|1|Eastern
2|Andrew|Fuller|1984-02-19|40222|Louisville|1|Eastern
3|Janet|Leverling|1995-08-30|30346|Atlanta|4|Southern
3|Janet|Leverling|1995-08-30|31406|Savannah|4|Southern
3|Janet|Leverling|1995-08-30|32859|Orlando|4|Southern
3|Janet|Leverling|1995-08-30|33607|Tampa|4|Southern
4|Margaret|Peacock|1969-09-19|20852|Rockville|1|Eastern
4|Margaret|Peacock|1969-09-19|27403|Greensboro|1|Eastern
4|Margaret|Peacock|1969-09-19|27511|Cary|1|Eastern
5|Steven|Buchanan|1987-03-04|02903|Providence|1|Eastern
5|Steven|Buchanan|1987-03-04|07960|Morristown|1|Eastern
5|Steven|Buchanan|1987-03-04|08837|Edison|1|Eastern
5|Steven|Buchanan|1987-03-04|10019|New York|1|Eastern
5|Steven|Buchanan|1987-03-04|10038|New York|1|Eastern
5|Steven|Buchanan|1987-03-04|11747|Mellville|1|Eastern
5|Steven|Buchanan|1987-03-04|14450|Fairport|1|Eastern
6|Michael|Suyama|1995-07-02|85014|Phoenix|2|Western
6|Michael|Suyama|1995-07-02|85251|Scottsdale|2|Western
6|Michael|Suyama|1995-07-02|98004|Bellevue|2|Western
6|Michael|Suyama|1995-07-02|98052|Redmond|2|Western
6|Michael|Suyama|1995-07-02|98104|Seattle|2|Western
7|Robert|King|1992-05-29|60179|Hoffman Estates|2|Western
7|Robert|King|1992-05-29|60601|Chicago|2|Western
7|Robert|King|1992-05-29|80202|Denver|2|Western
7|Robert|King|1992-05-29|80909|Colorado Springs|2|Western
7|Robert|King|1992-05-29|90405|Santa Monica|2|Western
7|Robert|King|1992-05-29|94025|Menlo Park|2|Western
7|Robert|King|1992-05-29|94105|San Francisco|2|Western
7|Robert|King|1992-05-29|95008|Campbell|2|Western
7|Robert|King|1992-05-29|95054|Santa Clara|2|Western
7|Robert|King|1992-05-29|95060|Santa Cruz|2|Western
8|Laura|Callahan|1990-01-09|19428|Philadelphia|3|Northern
8|Laura|Callahan|1990-01-09|44122|Beachwood|3|Northern
8|Laura|Callahan|1990-01-09|45839|Findlay|3|Northern
8|Laura|Callahan|1990-01-09|53404|Racine|3|Northern
9|Anne|Dodsworth|1998-01-27|03049|Hollis|3|Northern
9|Anne|Dodsworth|1998-01-27|03801|Portsmouth|3|Northern
9|Anne|Dodsworth|1998-01-27|48075|Southfield|3|Northern
9|Anne|Dodsworth|1998-01-27|48084|Troy|3|Northern
9|Anne|Dodsworth|1998-01-27|48304|Bloomfield Hills|3|Northern
9|Anne|Dodsworth|1998-01-27|55113|Roseville|3|Northern
9|Anne|Dodsworth|1998-01-27|55439|Minneapolis|3|Northern

```

2. Based on question 1, write a query to find the first three (3) youngest employee serving each Region. If a Region is not served by an employee, ignore it.

(15 points)

The output is:

After the rank it looks like

```
E:\CSC315\Data>sqlite3 northwind.db ".read q2.sql"
5|Steven|Buchanan|1987-03-04|1|Eastern|1
2|Andrew|Fuller|1984-02-19|1|Eastern|2
1|Nancy|Davolio|1980-12-08|1|Eastern|3
4|Margaret|Peacock|1969-09-19|1|Eastern|4
6|Michael|Suyama|1995-07-02|2|Western|1
7|Robert|King|1992-05-29|2|Western|2
9|Anne|Dodsworth|1998-01-27|3|Northern|1
8|Laura|Callahan|1990-01-09|3|Northern|2
3|Janet|Leverling|1995-08-30|4|Southern|1
```

The final output is:

```
E:\CSC315\Data>sqlite3 northwind.db ".read q2.sql"
5|Steven|Buchanan|1987-03-04|1|Eastern
2|Andrew|Fuller|1984-02-19|1|Eastern
1|Nancy|Davolio|1980-12-08|1|Eastern
6|Michael|Suyama|1995-07-02|2|Western
7|Robert|King|1992-05-29|2|Western
9|Anne|Dodsworth|1998-01-27|3|Northern
8|Laura|Callahan|1990-01-09|3|Northern
3|Janet|Leverling|1995-08-30|4|Southern
```