﻿

Q1.

1. **Find all genus and species of the rodent taxa.**

SELECT species, genus

FROM species

WHERE taxa = "Rodent";

1. **Find all species (genus, species and taxa) that were found by survey in 1987.**

SELECT distinct species.genus, species.species, species.taxa

FROM surveys

JOIN species

ON surveys.species\_id = species.species\_id

WHERE surveys.year = "1987";

1. **Print hindfoot-lenth and weight of all species found in “Long-term Krat Exclosure”**

SELECT surveys.hindfoot\_length, surveys.weight

FROM surveys

JOIN plots

ON surveys.plot\_id = plots.plot\_id

WHERE plot\_type = "Long-term Krat Exclosure";

1. **Find the dominant species in “Spectab exclosure”. What if you r.estrict to only 1998?**

SELECT species

From (SELECT species.species,count(species.species) AS count\_species

FROM species, plots, surveys

WHERE plots.plot\_type= "Spectab exclosure" and surveys.species\_id = species.species\_id and plots.plot\_id = surveys.plot\_id

group by species.species

ORDER BY count\_species DESC

LIMIT 1)

Q2.

1. **Find all suppliers who supply a beverage (category).**

﻿ select distinct Supplier.CompanyName

from Supplier

join Product

on Supplier.Id = Product.SupplierId

join Category

on Category.Id = Product.CategoryId

where Category.CategoryName = "Beverages";

1. **Find suppliers (print supplier companyname and region) who supplied both Condiments and**

**Confections (categories).**

select distinct Supplier.CompanyName, supplier.region

from Supplier

join Product

on Supplier.Id = Product.SupplierId

join Category

on Category.Id = Product.CategoryId

where Category.CategoryName = "Condiments"

intersect

select distinct Supplier.CompanyName, supplier.region

from Supplier

join Product

on Supplier.Id = Product.SupplierId

join Category

on Category.Id = Product.CategoryId

where Category.CategoryName = "Confections" ;

1. **Find all orders (print only orderId, orderdate, Product Name) by customer “Piccolo und mehr”**

**through the employee named “Michael Suyama”.**

﻿ select Product.ProductName, `Order`.Id,`Order`.OrderDate

from `Order`, product

join OrderDetail

on products.Id = OrderDetail.ProductId

join `Order`

on `Order`.Id = orderdetail.orderid

join employee

on `Order`.EmployeeId = employee.employeeid

join customer

on `Order`.customerid = customer.CustomerId

where customer.contactname = "Piccolo und mehr" and employees.firstname = "Michael" and employee.lastname = "Suyama"

1. **Count the number of shipments handled by each shipping company. What if you group by**

**year.**