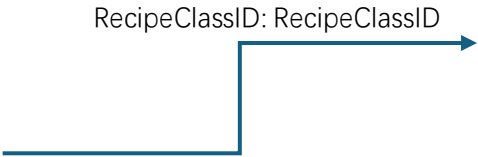


ro\_recipes Diagram

Recipes			
Field	Data Type	Value	Notes
RecipeID	int	ID of recipes	Primary Key, Default 0
RecipeTitle	varchar	Name of recipes	
RecipeClassID	smallint	Class ID of recipes	Foreign Key
Preparation	text	Preparation of the recipe	
Notes	text	Notes	

Recipe_Classes			
Field	Data Type	Value	Notes
RecipeClassID	smallint	Class ID of recipe	Primary Key
RecipeClassDescription	varchar	Text description of recipe class	



RecipeID: RecipeID

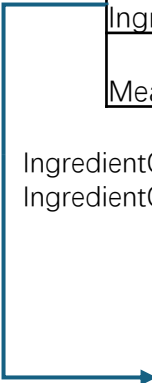
Recipe_Ingredients			
Field	Data Type	Value	Notes
RecipeID	int	ID of recipes	Primary Key
RecipeSeqNo	smallint	Sequence Number of Recipes	Primary Key
IngredientID	int	ID of ingredients	Foreign Key
MeasureAmountID	smallint	ID of measurement amount	Foreign Key
Amount	double	amount	

Ingredients			
Field	Data Type	Value	Notes
IngredientID	int	ID of ingredient	Primary Key
IngredientName	varchar	name of ingredient	
IngredientClassID	smallint	Class ID of Ingredient	Foreign Key
MeasureAmountID	smallint	ID of measurement amount	Foreign Key

IngredientID: IngredientID



IngredientClassID: IngredientClassID



Ingredient_Classes			
Field	Data Type	Value	Notes
IngredientClassID	smallint	Class ID of ingredients	Primary Key
IngredientClassDescription	varchar	Description of Ingredient Class	

# ro\_employees Diagram

employees			
Field	Data Type	Value	Notes
emp_no	int	integer; ID of employees	Primary Key
birth_date	date	Date of Birth	
first_name	varchar	Employee's first name	
last_name	varchar	Employee's last name	
gender	enum	Gender, 'M' for male, 'F' for female	
hire_date	date	Date when the employee was hired	

titles			
Field	Data Type	Value	Notes
emp_no	int	Integer, ID of employee	Primary Key
title	varchar	Position title	Primary Key
from_date	date	The start date of the position	Primary Key
end_date	date	The end date of the position	

salary			
Field	Data Type	Value	Notes
emp_no	int	ID of employees	Primary Key
salary	int	value of salaries	
from_date	date	start date of payroll	Primary Key
to_date	date	end date of payroll	

dept_emp			
Field	Data Type	Value	Notes
emp_no	int	ID of employees	Primary Key
dept_no	char	ID of department	Primary Key
from_date	date	start date of the employee at dept	
to_date	date	end date of the employee at dept	

departments			
Field	Data Type	Value	Notes
dept_no	char	ID of departments	Primary Key
dept_name	varchar	Name of department	Unique Key

emp\_no: emp\_no

emp\_no: emp\_no

emp\_no: emp\_no

dept\_no: dept\_no

ro\_company1 Diagram

account			
Field	Data Type	Value	Notes
account_id	int	integers	Primary Key; Auto increment
product_cd	varchar	2-3 character product code	Foreign Key
cust_id	int	numbers; customer id	Foreign Key
open_date	date	account open date	
close_date	date	account close date	
last_activity_date	date	date of the last activity of the account	
status	enum	status of the account	
open_branch_id	smallint	ID of branch where the account was opened	Foreign Key
open_employee_id	smallint	ID of employee who opened the account	Foreign Key
available_balance	float	Available balance in the account	
pending_balance	float	Pending balance in the account	

business			
Field	Data Type	Value	Notes
cust_id	int	ID of customer	Primary Key
name	varchar	Name of customer	
state_id	varchar	ID of state	
incorp_date	date	Date of incorporation	

branch			
Field	Data Type	Value	Notes
branch_id	smallint	ID of the branch	Primary Key, Auto increment
name	varchar	Branch name	
address	varchar	Branch address	
city	varchar	City name where the branch is located	
state	varchar	State where the branch is located, two letter abbreviation	
zip	varchar	ZIP code of the branch	

employee			
Field	Data Type	Value	Notes
emp_id	smallint	numbers; ID of the employee	Primary Key, Auto increment
fname	varchar	First name of the employee	
lname	varchar	Last name of the employee	
start_date	date	Start date of the employee	
end_date	date	Position end date of the employee	
superior_employee_id	smallint	ID of the superior of the employee	Foreign Key
title	varchar	Employee position title	
assigned_branch_id	smallint	ID of the branch where the employee is assigned	Foreign Key
dept_id	smallint	Department ID of the employee	Foreign Key

departments			
Field	Data Type	Value	Notes
dept_id	char	ID of departments	Primary Key
dept_name	varchar	Name of department	Unique Key

cust\_id: cust\_id

open\_branch\_id: branch\_id

assigned\_branch\_id: branch\_id

superior\_emp\_id: emp\_id

dept\_id: dept\_id

world Diagram

city			
Field	Data Type	Value	Notes
ID	int	ID of city	Primary Key, auto increment
Name	char	Name of city	
CountryCode	char	Code of country	Foreign Key
District	char	District of the city	
Population	int	Size of popualtion	

country			
Field	Data Type	Value	Notes
Code	char	country code	Primary Key
Name	char	country name	
Continent	enum	continent of the country	Default 'Asia'
Region	char	region of the country	
SurfaceArea	decimal	area of surface	Default 0.00
IndepYear	smallint	years of independence	
Population	int	size of population	Default 0
LifeExpectancy	decimal	life expectancy	
GNP	decimal	GNP value	
GNPOld	decimal	Old GNP value	
LocalName	char	Local name of country	
GovernmentForm	char	Form of government	
HeadOfState	char	Name of head of state	
Capital	int	City code of capital city	
Code2	char	Two letter code of country	

countrylanguage			
Field	Data Type	Value	Notes
CountryCode	char	country code	Primary Key
Language	char	language	Primary Key
IsOfficial	enum	Official language or not (T/F)	Default F
Percentage	decimal	Percentage of speakers	Default 0.00

