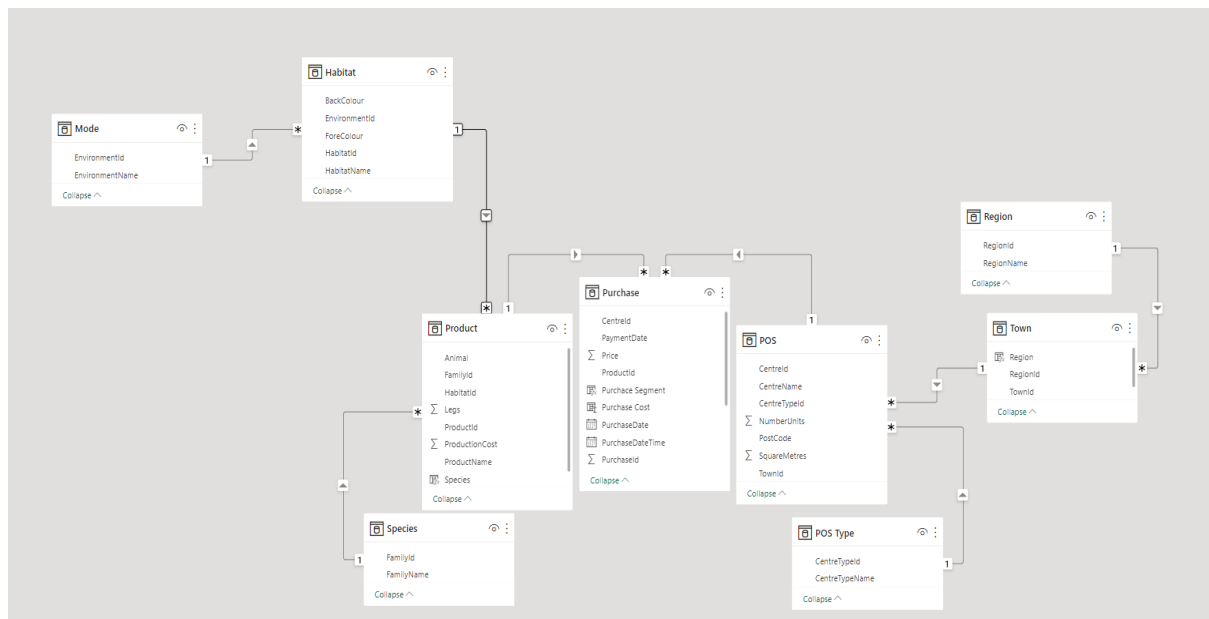




Data Modelling Assignment-4A

Instructions

- Download the dataset from the given link and solve the following questions based on it -
<https://docs.google.com/spreadsheets/d/1YyHP3vNI7HtDcFaZ5yLAaa-PUeo22TfE/edit?usp=sharing&oid=107120383683069960642&rtpof=true&sd=true>
- Your task is to perform data modelling in Power BI. Begin by thoroughly understanding the dataset provided and establish connections between the datasets using their respective keys. Refer to the accompanying picture below for guidance on how the datasets are structured and the relationships between them.
- Make sure to read the dataset and field descriptions carefully to understand the context and requirements.
- Metadata is given below for your reference .



Data Introduction

POS table -

CentreId: A unique identifier for each center in the dataset.

CentreName: The name or title of the center.

TownId: A unique identifier representing the town or location associated with the center.

CentreTypeId: A unique identifier indicating the type or category of the center.

PostCode: The postal code or ZIP code for the center's address.

SquareMetres: The measurement of the area or size of the center in square meters.

NumberUnits: The number of units or sections within the center.

POS Type table -

CentreTypeId: A unique identifier for each center type in the dataset.

CentreTypeName: The name or description of the center type.

Mode table -

EnvironmentId: A unique identifier for each environment in the dataset.

EnvironmentName: The name or description of the environment.

Species table -

FamilyId: A unique identifier for each family in the dataset.

FamilyName: The name or description of the family.

Habitat table -

HabitatId: A unique identifier for each habitat in the dataset.

HabitatName: The name or description of the habitat.

EnvironmentId: A reference to the corresponding environment for the habitat.

BackColour: The background color associated with the habitat.

ForeColour: The foreground color associated with the habitat.

Product

ProductId: A unique identifier for each product in the dataset.

ProductName: The name or description of the product.

Animal: The animal associated with the product.

HabitatId: A reference to the corresponding habitat for the product.

Legs: The number of legs the animal of the product has.

FamilyId: A reference to the corresponding family for the product.

WeightGrams: The weight of the product in grams.

ProductionCost: The production cost associated with the product.

Purchase table

PurchaseId: A unique identifier for each purchase in the dataset.

PurchaseDate: The date of the purchase.

PurchaseDateTime: The date and time of the purchase.

ProductId: A reference to the corresponding product purchased.

CentreId: A reference to the center where the purchase was made.

Quantity: The quantity of the product purchased.

Price: The price per unit of the product.

PaymentDate: The date when the payment was made.

StaffId: A reference to the staff member associated with the purchase.

Region table -

RegionId: A unique identifier for each region in the dataset.

RegionName: The name or description of the region.

Town table -

TownId: A unique identifier for each town in the dataset.

TownName: The name or description of the town.

RegionId: A reference to the corresponding region that the town belongs to.