**Exercise 1**

Using the penguins dataset from the palmerpenguins package, answer the following:

1. Filter the dataset to include only those records where `body\_mass\_g` is greater than 4000 but less than 5000.
2. Add two new columns to the dataset:
   * `medium\_bill`: TRUE if `bill\_length\_mm` is greater than 40 and less than 45, otherwise FALSE.
   * `is\_dream\_island`: TRUE if the penguin is from the 'Dream' island, otherwise FALSE.
   * Afterwards, filter the dataset to only show these two new columns.
3. Filter the dataset to include only records that have a missing value (`NA`) in the `island` column.
4. Filter the dataset to include only records from the species `Adelie`. Then, arrange the dataset so that records with missing `body\_mass\_g` data appear first, followed by the rest in ascending order based on `body\_mass\_g`.
5. Filter the penguins dataset to include only those records where the `island` value is either 'Dream' or 'Torgersen`.

**Exercise 2**

Using the penguins dataset from the palmerpenguins package, answer the following:

1. Plot a scatterplot of bill length against bill depth, with each point colored by species.
2. Plot a scatterplot of bill length against bill depth, with each point shaped by the island they come from.
3. Plot a scatterplot of bill length against bill depth, with the size of each point representing the body mass.
4. Highlight the Adelie species with a red color on the scatterplot of bill length against bill depth.
5. Create a scatterplot of bill length against bill depth and use facets to show data for each island.