Following Tasks are performed on the Olympics Medals Dataset

1. Load all three datasets into separate Dataframes. Keep the Dataframe variable name as *summer*, *winter*, *country\_codes.*
2. Display a subset of *Summer* Dataframe with 8 rows (after 6th index) with columns *Year*, *Athlete* and *Medal*

**Expected output:**

Table

Description automatically generated

1. Replace all commas with space in the *'Athlete'* column of *Summer* and *winter* Dataframe.

**Expected output:**

Table

Description automatically generated

1. Modify *Summer* Dataframe by merging *Summer* Dataframe with *country\_codes* Dataframe based on the country code.
2. Modify *Winter* dataframe by merging *Winter* Dataframe with *country\_codes* Dataframe based on the country code.
3. Create a function to find the male athlete & female *Athlete* who won the highest number of medals. You should pass the *Summer/Winter* Dataframe object to the function. Also pass the gender to the function. The function should return the name of the male/female *athlete* who won the highest number of medals.

**Function Definition:**

1. Create a function to find the *athlete* who won the highest number of medals in each medal category (Gold, Bronze, Silver).
2. Calculate the number of medals by year and column in a pivot table for Summer and Winter Dataframe. [Use count as aggfunc]
3. Extract a series with total number of medals won by each country in *Summer* and *Winter*.
4. Combine *Summer* and *Winter* Olympics data and create a bar chart showing the top 10 highest medal winning countries.