Rshiny in Class exercise:

The following dataset represents the number of kills by different characters in each season of "The Walking Dead." The dataset includes characters such as Rick, Morgan, Glen, Daryl, Carl, Michonne, Carol, and Maggie for seasons 1 to 6.

Season	Rick	Morgan	Glen	Daryl	Carl	Michonne	Carol	Maggie
1	36	3	4	8	0	NA	0	NA
2	23	NA	10	19	17	1	0	0
3	59	2	22	41	18	29	8	16
4	36	NA	29	68	17	46	10	32
5	36	5	73	43	8	35	37	9
6	66	33	44	41	2	42	29	12

Each row represents a season, and each column represents a character. The numbers in the cells indicate the number of kills by each character in each respective season.

Step 1: Prepare the Environment

Ensure that you have R and RStudio installed on your computer.

Open RStudio.

Step 2: Install Required Packages

In the RStudio console, install the required packages by running the following commands one by one:

Step 3: Load the Provided Code

Copy the entire code provided in your question (from library(shiny) to the end) and paste it into a new R script or directly into the RStudio script editor.

Step 4: Load the Data (Optional)

Your to create a dashboard that should look like the following image:

Step 5: Run the Shiny App

Locate the "Run App" button in the RStudio script editor (usually a green triangle) or run the Shiny app from the R console by executing the following command:

Step 6: Interact with the Shiny App

Once you run the app, a new window or tab in your web browser should open, displaying the Shiny app interface.

You will see a sidebar with options to select a character and choose between bar and line charts.

Use the radio buttons to select a character (e.g., "Rick") and whether you want to show a bar chart ("Yes" or "No").

Optionally, you can use the slider to select a specific kill range.

Observe how the plot and table on the main panel update based on your selections. The plot will display either a bar chart or a line chart depending on your choice.

Step 7: Explore and Analyze

Experiment with different character selections, chart types, and kill ranges to analyze the data as needed.