- Tableau action is a dashboard action which is an interactive element on a Tableau dashboard that is driven from within the worksheet.

- It gives the dashboard interactivity. This can be done through filtering, highlighting or using set values etc.

- **Types**:
  - Filter
  - Highlight
  - Go to URL
  - Go to Sheet
  - Change Parameter
  - Change Set Values

- **Filter Action:**
  - It is used to filter the data present in other worksheets in any dashboard.
  - We can filter the charts in any dashboard from any other dashboard.
  - Dashboard → Actions → Filter
  - Below options we see in filter action.
    - Source Sheets:
      - ❖ The charts where user wants to select the value so that the selected values can be passed as filters to target sheets.
    - Target Sheets:
      - ❖ The charts where user wants to see the filtered data post source sheet selection.
    - Run action on:
      - ❖ It shows the mode of selection of values in the source sheet i.e., by hovering the mouse on chart, actually selecting the values in the chart or by showing the link in the tooltip.
    - Clearing the selection will: If no values are selected in the source sheet, then what user needs to see in the target sheets.

- **Highlight Action:**
  - It is used to highlight the common dimensions available in charts.

- o Dashboard → Actions → Highlight
- o Below options we see in highlight action.
  - ▪ Source Sheets:
    - ❖ The charts where user wants to select the value so that the selected values can be passed to target sheets.
  - ▪ Target Sheets:
    - ❖ The charts where user wants to see the highlighted data of common dimensions post source sheet selection.
  - ▪ Run action on:
    - ❖ It shows the mode of selection of values in the source sheet i.e. by hovering the mouse on chart, actually selecting the values in the chart or by showing the link in the tooltip.
  - ▪ Target Highlighting:
    - ❖ Which common dimensions do user needs to highlight.

- **Go to URL Action:**
  - o It is used to open the URL/Website based on click of any chart element in source sheet.
  - o Dashboard → Actions → Go to URL
  - o We see below options in this action.
    - ▪ Source Sheets:
      - ❖ The charts where user wants to select the value so that the selected values can be passed to URL Target.
    - ▪ URL Target:
      - ❖ The place to open the URL i.e., in the browser or in the web page object within the dashboard.
    - ▪ Run action on:
      - ❖ It shows the mode of selection of values in the source sheet i.e., by hovering the mouse on chart, actually selecting the values in the chart or by showing the link in the tooltip.
    - ▪ URL:
      - ❖ The URL to be opened by the click of any chart element. (One can make it dynamic by inserting the dimension name).

- **Go to Sheet Action:**
  - o It is used as navigation from one screen to another screen in dashboard.
  - o We can navigate dashboard to dashboard or dashboard to worksheet.
  - o Dashboard → Actions → Go to Sheet
  - o We see below options in this action.
    - ▪ Source Sheets:
      - ❖ The charts where user wants to select the value so that the selected values can be passed to URL Target.
    - ▪ Target Sheets:
      - ❖ The screen where user needs to move on.
    - ▪ Run action on:
      - ❖ It shows the mode of selection of values in the source sheet i.e., by hovering the mouse on chart, actually selecting the values in the chart or by showing the link in the tooltip.

- **Change Parameter Action:**
  - It is used to change the parameter value based on selection of any chart elements in source sheet.
  - We can change the parameter value from any worksheet.
  - Dashboard → Actions → Change Parameter
  - We see below options in this action.
    - Source Sheets:
      - The charts where user wants to select the value so that the selected values can be passed to URL Target.
    - Target Parameter:
      - The parameter that needs to be changed.
    - Run action on:
      - It shows the mode of selection of values in the source sheet i.e. by hovering the mouse on chart, actually selecting the values in the chart or by showing the link in the tooltip.
    - Source Field:
      - The column value from source sheet that needs to be shown in the dashboard.
    - Aggregation:
      - The aggregate function selection.
    - Clearing the selection will:
      - If no value from the source sheet is selected then what needs to be shown in parameter.

- **Change Set Values Action:**
  - It is used to change the set value based on selection of any chart elements in source sheet.
  - Dashboard → Actions → Change Set Values
  - We see below options in this action.
    - Source Sheets:
      - The charts where user wants to select the value so that the selected values can be passed to URL Target.
    - Target Set:
      - The set that needs to be changed.
    - Run action on:
      - It shows the mode of selection of values in the source sheet i.e. by hovering the mouse on chart, actually selecting the values in the chart or by showing the link in the tooltip.
    - Running the action will:
      - If value from source sheet is selected then what should happen in the set.
    - Clearing the selection will:
      - If no value from the source sheet is selected then what needs to be shown in the set.

- If we are using tableau professional software then we can save our work to tableau server using Server >> Publish Workbook.

- In case we are using tableau professional software then we need to save our work to tableau public website under our registered profile Server >>Tableau Public >> Save to Tableau Public

- In case we are using tableau public then we need to save our work to tableau public website under our registered profile using File >> Save to Tableau Public