Task 1:

* + Getting started with Tableau Desktop worksheet, dashboard, new story. Different datatype,
  + Considering the existing Store dataset analyzing (column and row)
  + First chart to visualize excel data.
  + Connect to the data sample store.
  + Plot Line graph for the profit and year.
  + Plot Line graph for the profit and year based on city
  + Sort by Ascending of sum /descending order
  + Plot an order details based on month and city
  + Represent the profit month, quarter and yearly basis.
  + Represent the same data based on city/order data in combination month -quarterly
  + Represent the profit month, sales and product.

1. Open Tableau Desktop and create a new worksheet, dashboard, or story.
2. Connect to the Store dataset by selecting "Connect to Data" and choosing the data source.
3. Preview the data to understand the columns and rows.
4. Create a line graph to visualize the profit and year by dragging the fields onto the Rows and Columns shelves and selecting the line graph option.
5. To plot a line graph based on city, add the city field to the Rows or Columns shelf.
6. To sort the data, right-click on the profit field in the Marks card and choose either "Sort Ascending" or "Sort Descending".
7. To plot order details based on month and city, add the month and city fields to the Rows or Columns shelves.
8. To represent profit by month, quarter, and year, add the relevant fields to the Rows or Columns shelves and adjust the date aggregation as necessary.
9. To represent profit by city and order data in combination with month and quarter, add the city, order data, month, and quarter fields to the Rows or Columns shelves.
10. To represent profit by month, sales, and product, add the relevant fields to the Rows or Columns shelves and adjust the data visualization as needed.

Task 2

* + Connecting to data
  + Types of charts: bar chart, line chart, histogram, pie chart
  + Considering thequantity measure to calculate profit with help of category product plot the graph which is visualize the profit through charts.
  + To visualize the aggregate measure (category profit).
  + Consider Store data analyze the data using the count of order and state
  + Consider Store data analyze the data using the count of order, state and quantity
  + Consider Store data analyze the data using the count of order, state and quantity for the same plot various graph arrange state in alphabetical order, ascending and descending order.
  + Plot chart by considering sales quantity, profit, discount, count of people, count of orders.
* Open Tableau Desktop and select "Connect to Data".
* Choose the data source and connect to it.
* Choose the appropriate chart type for the analysis: bar chart, line chart, histogram, or pie chart.
* To visualize profit, create a calculated field to calculate profit using the quantity measure and category product.
* Plot the graph using the profit calculated field.
* To visualize the aggregate measure (category profit), create a calculated field for category profit and plot the graph using that field.
* To analyze the Store data using the count of order and state, drag the order and state fields onto the Rows or Columns shelves and adjust the data visualization as needed.
* To analyze the Store data using the count of order, state, and quantity, add the quantity field to the analysis in step 7.
* To arrange the states in alphabetical order, ascending, or descending order, right-click on the state field in the Marks card and choose the appropriate sorting option.
* To plot a chart considering sales quantity, profit, discount, count of people, and count of orders, add the relevant fields to the Rows or Columns shelves and adjust the data visualization as needed.

Task 3

Connecting to data

* + Plot Line graph for the profit and year.
  + Plot Line graph for the profit and year based on city
  + Use dash board apply filter exclude few cities in dashboard
  + Explore the features of dashboard
  + Specify the sales and profit and calculate the cost out of the profit and sales.
  + Depict the min and max sale for a product.
  + Calculate minimum sale by applying the calculation:

1. Open Tableau Desktop and select "Connect to Data".
2. Choose the data source and connect to it.
3. Create a line graph to visualize the profit and year by dragging the fields onto the Rows and Columns shelves and selecting the line graph option.
4. To plot a line graph based on city, add the city field to the Rows or Columns shelf.
5. Create a dashboard and apply filters to exclude certain cities.
6. Explore the features of the dashboard, such as the ability to arrange multiple views, add filters, and adjust the size and layout.
7. To calculate the cost out of profit and sales, create calculated fields for sales and profit and use a formula to subtract the cost from the profit.
8. To depict the minimum and maximum sale for a product, add the product and sales fields to the analysis and adjust the data visualization as needed to display the minimum and maximum values.
9. To calculate the minimum sale, create a calculated field using the formula specified in the instructions.