1. Format the data set as a table, align it to center and highlight manufacturers using different colors
2. Sort the data based on price, manufacturer.
3. List the vehicles with wheel base more than 110
4. Find the average mileage of vehicles with engine power less than 2.
5. Find the average length and width of cars.
6. List the vehicles which has more than 150 horse power
7. List the vehicles whose retail price has reduced more than 3.
8. Prepare a discrete frequency distribution for mpg

***Question 1***  
  
**Aim:**   
To format the given data as a table, align the data to the center, and highlight manufacturers using different colours.  
  
**Procedure:**  
1. Select the entire data given.  
2. Go to ‘Insert’ menu, and click on Table. Click ‘OK’ when the box appears.  
3. With the entire table selected, click on the ‘center alignment’ button in ‘Home’ menu.  
4. To highlight manufacturers using different colours, select the ‘Manufacturer’ column in its entirety, i.e., column ‘A’.  
5. Go to ‘Conditional Formatting’ tab in the ‘Home’ menu.  
6. Click ‘Highlight Cell Rules’, and then choose ‘Text that contains’.  
7. Enter the manufacturer name in the given box, choose the colour and click ‘OK’.  
8. Repeat steps 5, 6 and 7 for all manufacturers.  
  
**Calculation:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Manufacturer** | **Model** | **No sold** | **Resale** | **Vehicle type** |
| Mitsubishi | 3000GT | 0.11 | 20.94 | 0 |
| Dodge | Viper | 0.916 | 58.47 | 0 |
| Oldsmobile | Cutlass | 1.112 | 11.24 | 0 |
| Porsche | Carrera Coupe | 1.28 | 60.625 | 0 |
| Audi | A8 | 1.38 | 39 | 0 |
| Porsche | Carrera Cabriolet | 1.866 | 67.55 | 0 |
| Mercedes-Benz | SL-Class | 3.311 | 58.6 | 0 |

**Conclusion:**  
The data has been formatted as a table, aligned to the center, and manufacturers have been highlighted using different colours.