Tutorial Week 6- Data Visualization

1. Run the program "**Cone5.tcl**" by double clicking on it.
   Open the program named Cone5.tcl with wordpad or notepad.
   Do you observe the following flow of the program:
   - Generate some data.
   - Process it with filters.
   - Create a mapper to generate rendering primitives.
   - Create actors for all mappers.
   - Render the results.

   Modify some value in the code. Modify value via user interaction.

2. Now, run the program "**Medical1.tcl**". Open the program in a notepad or wordpad. Did you observe the same workflow as you found in **Cone5.tcl**.

a) Modify **Medical1.tcl** to read some **vtkStructuredPoints** as we need to do for our Assignment 2. What will be the first step?

b) How will you understand the range of temperature or pressure in the data in Assignment 2 as a whole?

c) How will you extract the iso-surface for a particular temperature or pressure?

3. Now, run the program **Medical3.tcl**. In addition to extracting iso-surfaces for bone, skin, it also shows X-sections of the model along X, Y and Z directions. This may be compared to probing that we need to do for our Assignment 2. After completing question 2, apply the very similar technique with Assignment 2 data.