**Assignment 2**

**Purpose:**

Practice in

* + 3-dimensional composite transforms.
  + 2-dimensional window to viewport mapping

**Task:**

Add the following commands to Assignment\_01.  Your program should be able to read from an input file and display data (same as Assignment\_01).

* **Rotate around x axis** **by D degrees in N incremental steps**  
  This command rotates all the objects around line **x axis** by **D** degrees in **N** incremental steps. The intermediate results  should be  displayed
* **Rotate around y axis by D degrees in N incremental steps**  
  This command rotates all the objects around line y**axis** by **D** degrees in **N** incremental steps. The intermediate results  should be  displayed
* **Rotate around z axis  by D degrees in N incremental steps**  
  This command rotates all the objects around line z**axis** by **D** degrees in **N** incremental steps. The intermediate results  should be  displayed
* **Scale Sx, Sy, Sz around point Ax,Ay,Az in  N incremental steps**  
  This command scales all the objectsaround point A(x,y,z)  by **Sx**, **Sy**, and **Sz** in**N** incremental steps. The intermediate results should be  displayed