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1. **Aim:**Draw a polygon and change the shape of that polygon into another using any 3D animation software.

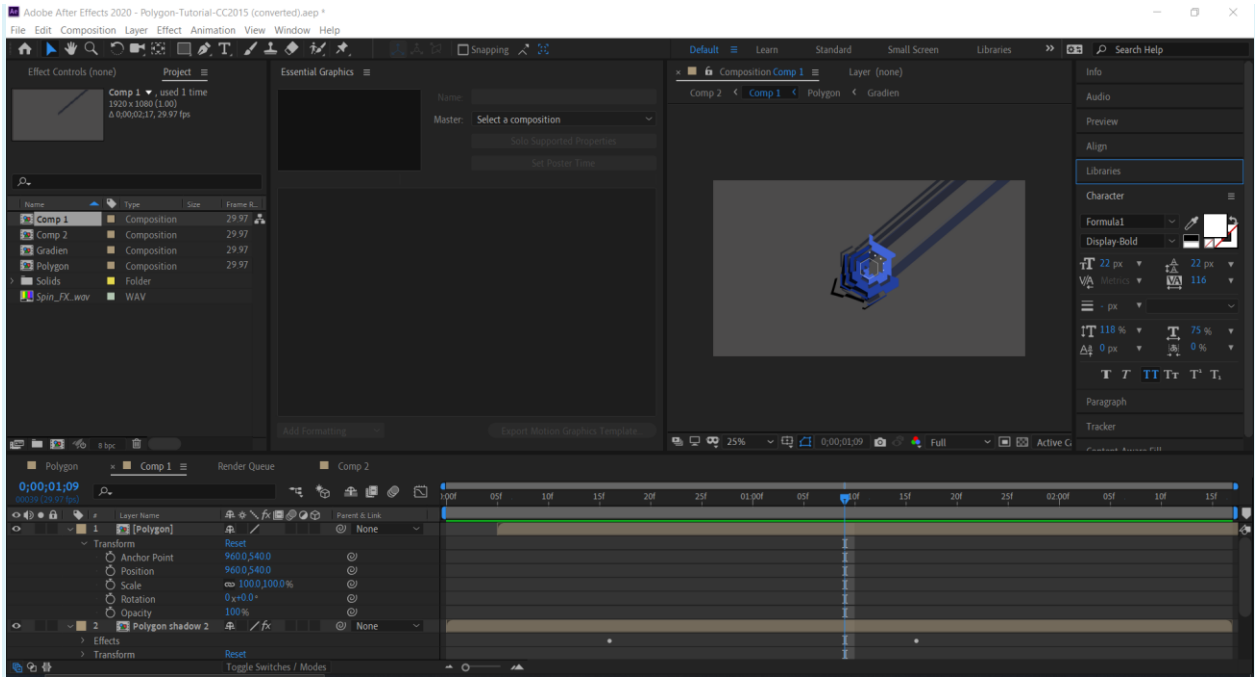
   SOFTWARES USED:BLENDER AND AFTER EFFECTS

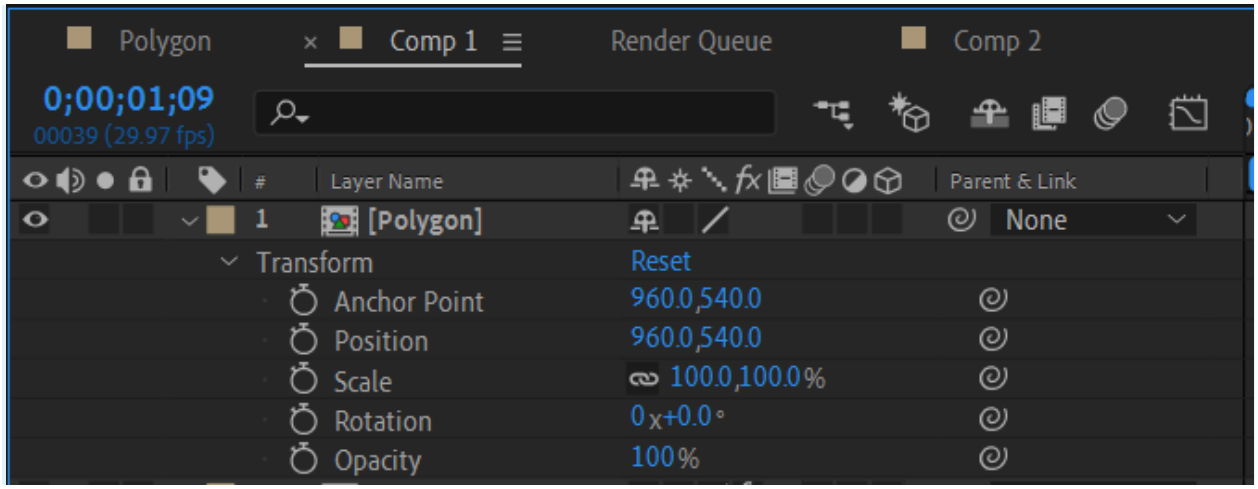
   1st animation

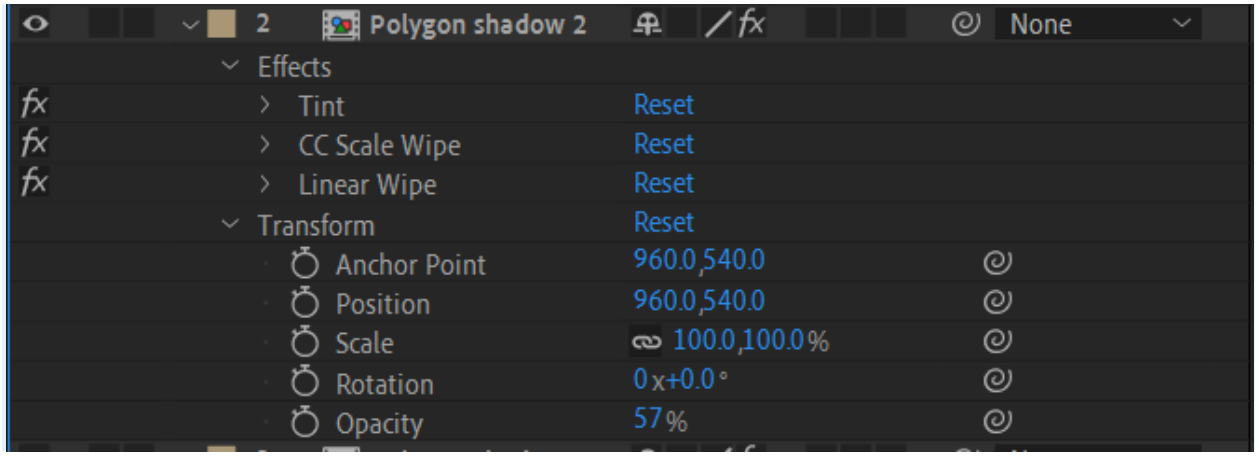
   Link:

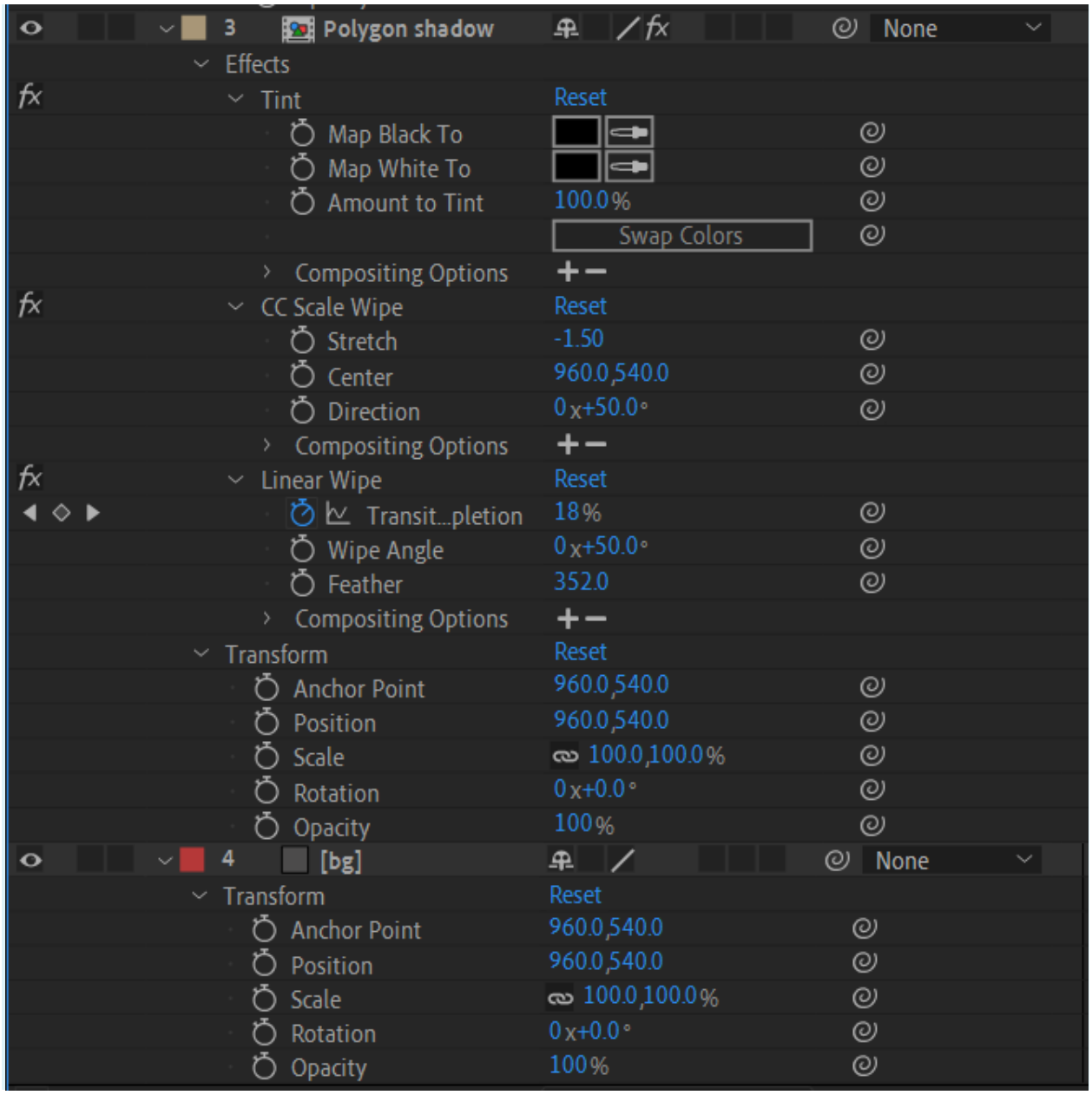
   https://drive.google.com/drive/folders/1SRU0lv4t_xAWLoyRUw5ZBX4mIh_5FCcG?usp=sharing

   Progress:

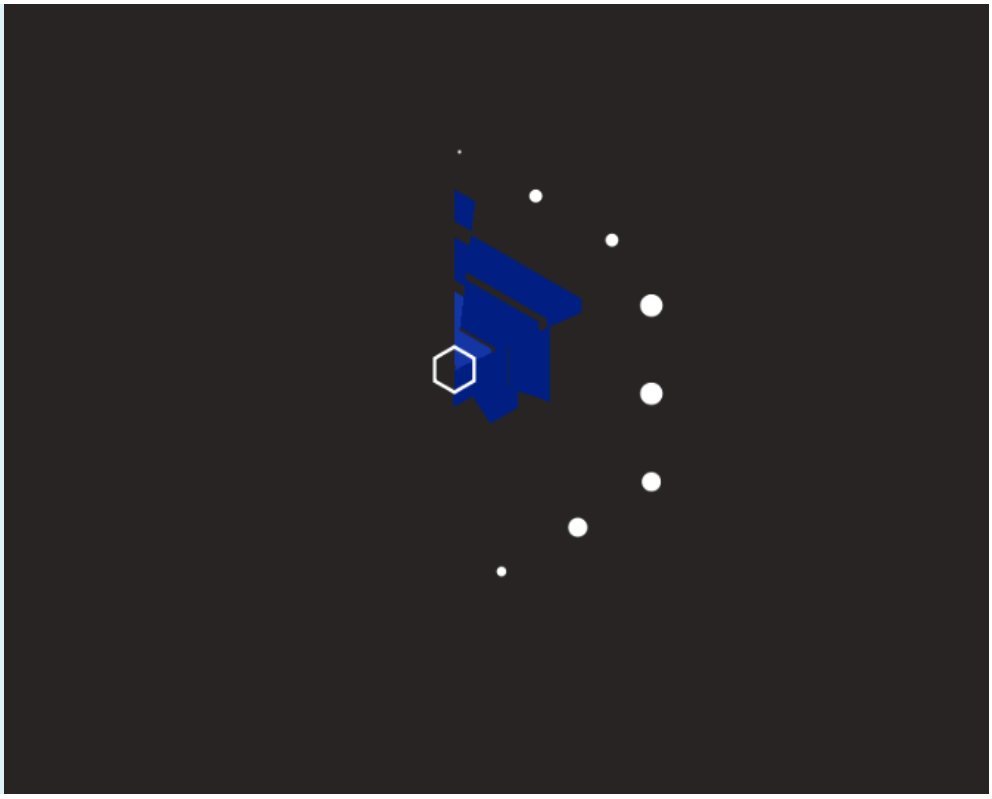


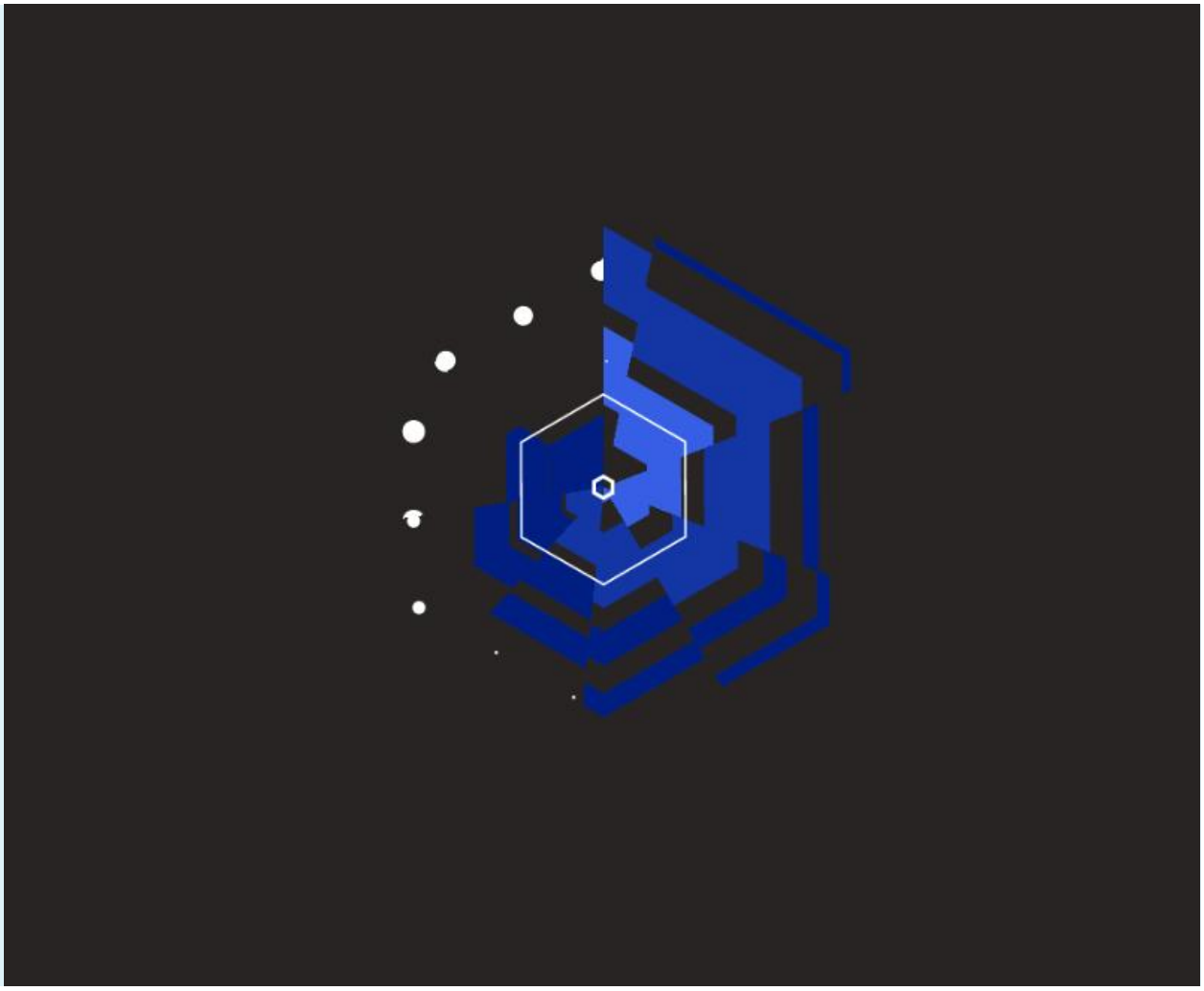

Polygon
Comp 1
Render Queue
Comp 2
0;00;01;09
00039 (29.97 fps)
Layer Name
Parent & Link
1 [Polygon]
None
Transform
Reset
Anchor Point 960.0,540.0
Position 960.0,540.0
Scale 100.0,100.0%
Rotation 0x+0.0°
Opacity 100%

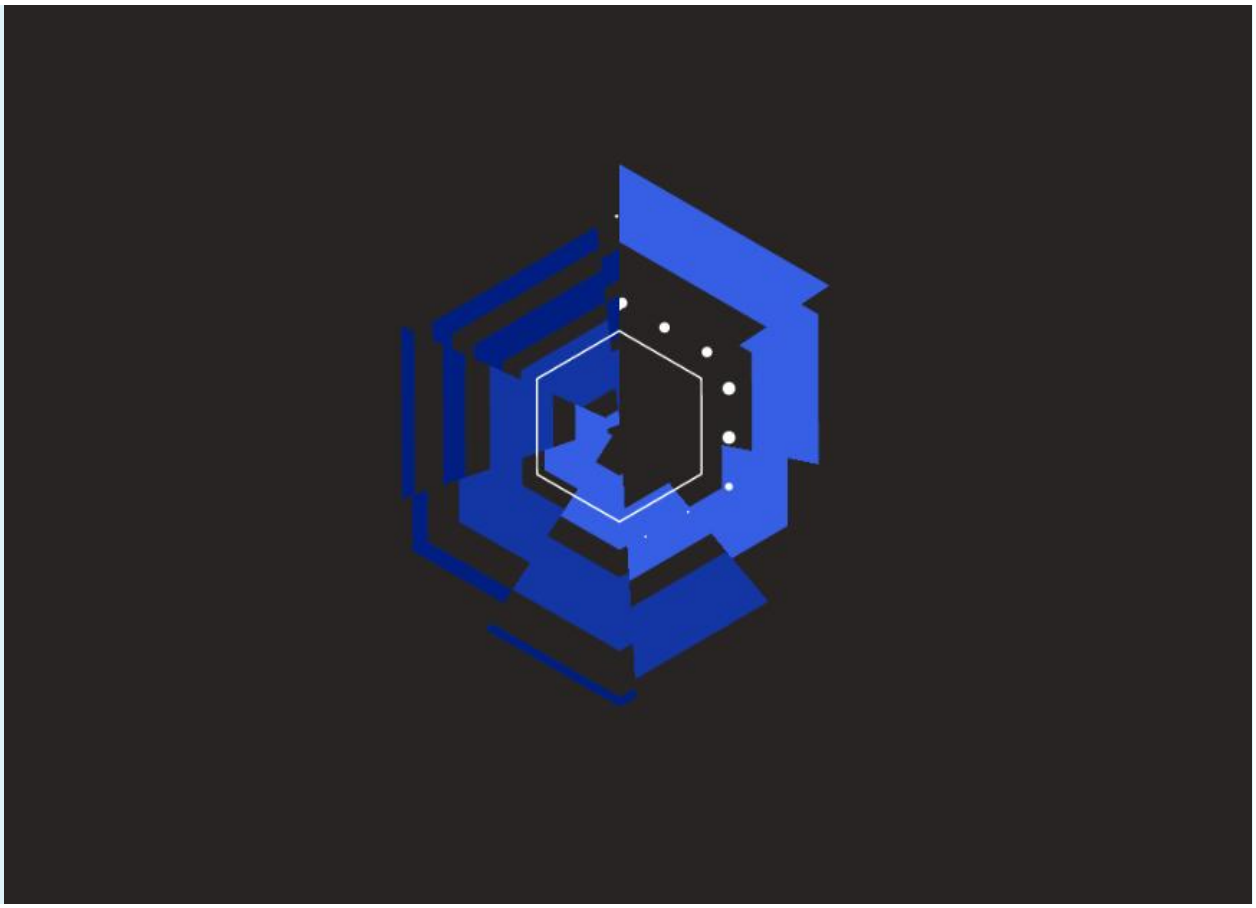

2 Polygon shadow 2
None
Effects
Tint Reset
CC Scale Wipe Reset
Linear Wipe Reset
Transform Reset
Anchor Point 960.0,540.0
Position 960.0,540.0
Scale 100.0,100.0%
Rotation 0x+0.0°
Opacity 57%

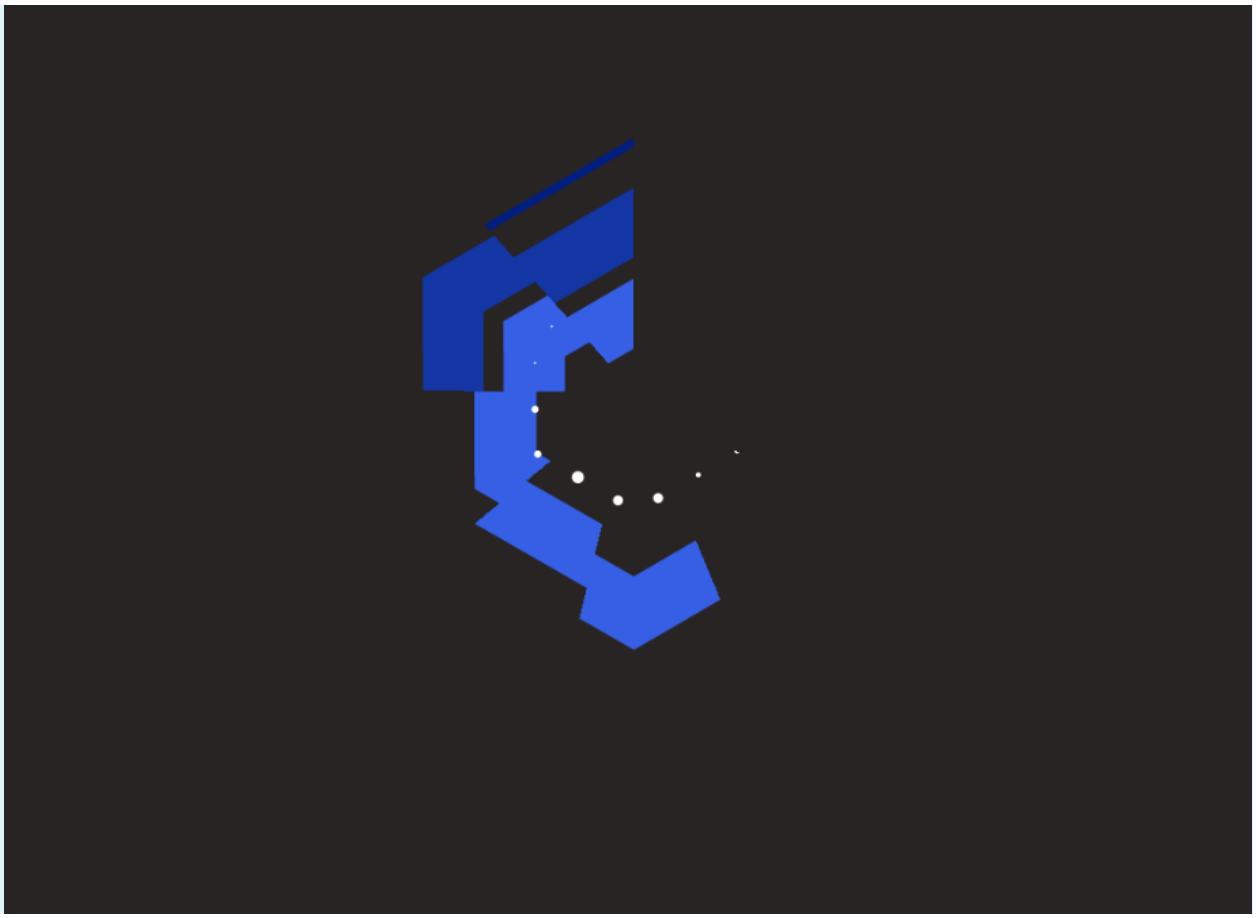

3 Polygon shadow None
Effects
Tint Reset
Map Black To
Map White To
Amount to Tint 100.0%
Swap Colors
Compositing Options
CC Scale Wipe Reset
Stretch -1.50
Center 960.0,540.0
Direction 0x+50.0°
Compositing Options
Linear Wipe Reset
Transit...pletion 18%
Wipe Angle 0x+50.0°
Feather 352.0
Compositing Options
Transform Reset
Anchor Point 960.0,540.0
Position 960.0,540.0
Scale 100.0,100.0%
Rotation 0x+0.0°
Opacity 100%
4 [bg] None
Transform Reset
Anchor Point 960.0,540.0
Position 960.0,540.0
Scale 100.0,100.0%
Rotation 0x+0.0°
Opacity 100%

OUTPUT:

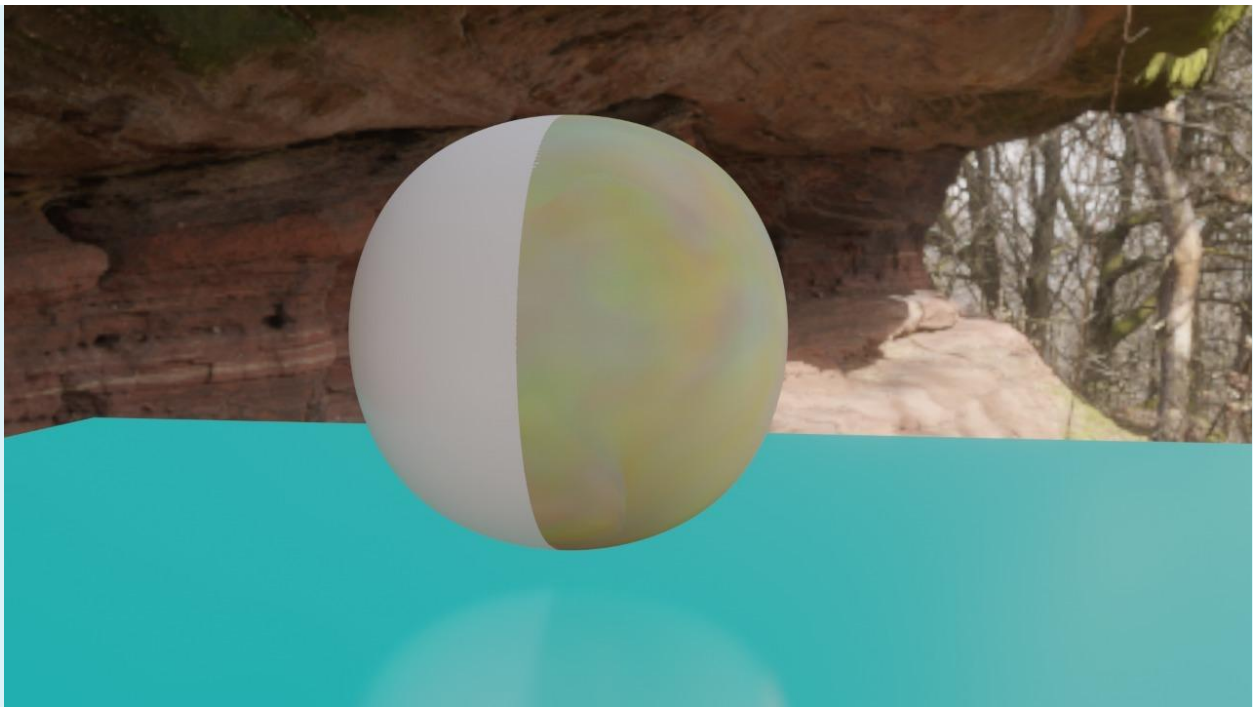








2nd Animation(BLENDER)



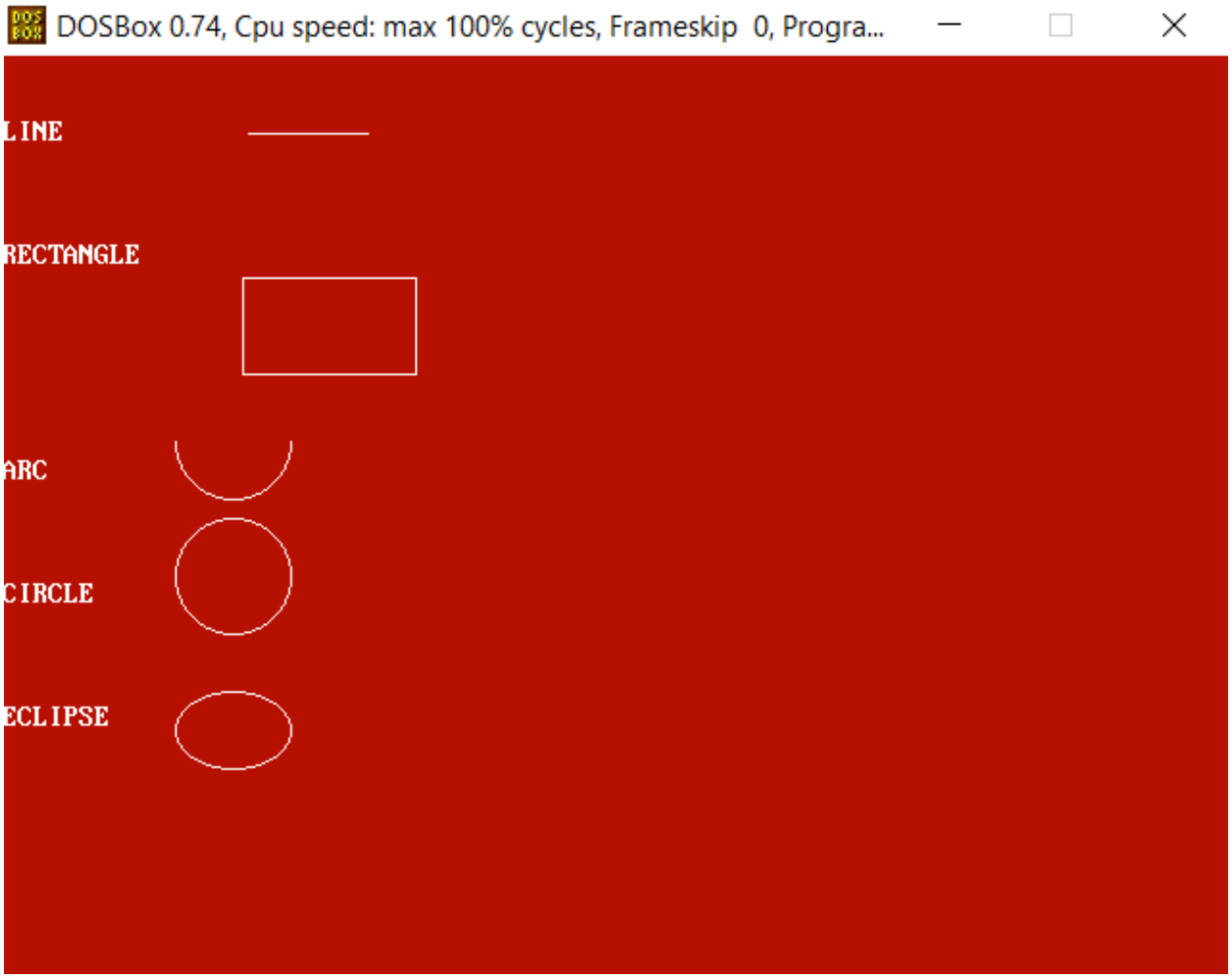
2.Aim: Write a program to draw all the basic shapes using C.

Code:

```
#include<graphics.h>
#include<conio.h>
void main()
{
   int gd=DETECT,gm;
   initgraph (&gd,&gm,"c:\\turboc3\\bgi");
   setbkcolor(RED);
   printf("\t\t\t\n\nLINE");
   line(50,40,190,40);
   printf("\t\t\n\n\n\nRECTANGLE");
   rectangle(125,115,215,165);
```

```
    printf("\t\t\t\n\n\n\n\n\n\nARC");
    arc(120,200,180,0,30);
    printf("\t\n\n\n\nCIRCLE");
    circle(120,270,30);
    printf("\t\n\n\n\nECLIPSE");
    ellipse(120,350,0,360,30,20);
    getch();
}
```

OUTPUT:



RESULT:

Animation and Program has been completed.