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| 7th 2D Project  A Garden View |
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# Plan

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| We planned to draw a garden filled with flowers, a tree, sun, chick, house, some clouds moving and a cloud appearing from the chimney  **Implementation**  **We use 256 in choosing RGB colors**  By functions  glcolor3ub()  glCLearColor(/255.0)  We set the ortho2d to  X -> 15  y -> 10  to prevent shapes stretching    We used for some of colors  glcolor3f() |
| For drawing rectangles and squares:  Glbegin(GL\_QUADS)  Glvertex2f(upper left vertex),  (upper right),  (lower right),  (lower left)  **For drawing triangle:**  Glbegin(GL\_TRIANGLES)  Glvertex2f(upper point)  Glvertex2f(left point)  Glvertex2f(right point)  For drawing circles  Glbegin(GL\_POLYGONS)  For drawing lines  Glbegin(GL\_LINES)  Used for animation of the clouds and the bubbles that comes out of the chimney  glutTimerFunc(1000,timer,0);  and detected the x an y position for beginning of each object  glpushmatrix glpopmatrix  To make all the circles act as a one cloud  To draw each object on a certain space  For changing the direction of the circle  Gltranslated(x,y,z)  For rotating:  GlRotated(angle, x,y,z)  **Used shapes**  Circles  Rectangles  Triangle  Oval  Lines  Square |

