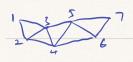


Line segment
line segment pobyline: vollection of the seg, of 3
with vertices that head is the tail of another vertex
point: tiny circles with particular raidus. In Jaca, small squares
Paster image: 2D grid of pixels, array of whors,
.bmp format
Polyon: closed shapes made of straight line segments
Simple Pobygon: No intersepting edges
Convex : All interior angles are less than or equal
15 180
Concave : At least one interior angle > 180°
Pobys = > triangle
Any quad is two triangles => Any polygon is a collection of
riangles
Triangle fan: triangles sharing one point
n vertices => n-2 triangles
Triangle strip n vertices -> n-2 triangles



Quad Strip: similar with this strip
$n \text{ vertices } \rightarrow \frac{n^2}{2} \text{ quads}$
default
Winding Order: if ne have a triangle, in a counter-
- clock winding order is the Front side depend on vertices labelled order
Normal is coming one of Front side.
we use not object to describe n dimension thing
Fore-culling: ne only have as rendering things that are visible
Openlyh. each contact have a global state (state machine
every api call as permanent state changes, until you explicitly remove it.
Client/Server: ap: is the seperator between client
Side and server side Jour program State machine/ render target/
enepve device
Data need to be emplicitly prosed to server

OOD Vulcan, DX12
OOD Vulcan, DX12 High-performance
High-performance
Cretting data is server:
immediate mode: render data is send every from
From client is server, which is
characterized as GL begins, GLende
glBeginl)
gl Vertex 37 = immediate rendering
glEnd()
rerained mode: data is send once, persists on the
gl Draw Elements () get by ID
f(Draw Arrays () fet by ID
gl Draw Elements ()
Steps to graphics
1. create a graphics wontext cruntime portion-servers
2. create a window / a target of the renderving
3. specify the dara to draw
4. Draw in a loop

while (! window Closed L)) {	