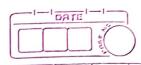


	Assignment -s (As)
	Problem definition:
	Deite a C1. PROPERM to disaw a
	4x4 chessboard rotated 4s' with the
	hosizontal axes use boesenham algorithm to d'saw all lines. Use seed fill
	algorithm to draw all lines till the
	Squares of the Chesiboard
	Objective: To be able to draw a chessboard & apply transformation to it.
	Outcomes: Will be able to implement various
	Outcomes: Will be able to implement various transformation and be able to till
	any Polygon.
	M/w & sho requirement.
	- 64 bit 05 - 84 creation
	Theory: Seed filling algorithms are those that uses a point inside polygon to till. - Seed filling algorithms can be classified into . Flood fill
	· Boundary fill
	Po detect it a point lies inside a
Åv.	Polygon, we have inside checking algorithms
and the second second second second	the state of the s



tests such as even-odd test
is flood-fill - In this algorithm we start filling from a point inside the polygon - If the point is pixel colour matches the background colour, we fill with fill. The background colour, we fill with fill. This is a recursive algorithm. Once the correct pixel is filled. its neighborry are checked tilled.
Boundary fill: - If the pixel we want to fill, has the same (oloux as boundary, we skip it - If a pixel is filled we try to fill its Neighbours.
Advantages: - Algorithms of seed filling are simple - Take very few lines of code. - Easy to implement due to xecussive deinition.
Disaduantages: - Point inside Polygon Must be known. - Recursion May Cause stack overlaw. - It using boundary fill, boundary colour Must be know. - Multi-colour boundary fill is dithicult

