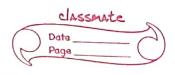
Assignment - A5



_	Problem Statement - Write a C++ / Java program to
_	draw a 4x4 chessboard rotated 45° with the
_	horizontal axis. Use Bresenham's algorithm to
_	drow the lines. Use seed fill algorithm to fill
_	black squares of votated chessboard
_	The course fair and the land of the land
	Objective - 1 To learn and understand seed fill and
	and boundary fill algorithm
	@ To implement seed fill algorithm recursively and
	non-recursively.
	3 To implement rotation of polygon using 2D
	transformation.
	in a contra by code in process seam dissipated and her
	Outcome - O students will be able to implement and seed
	fill (floor and boundary fill) algorithm
	O students will be able to implement rotation of 2D
	figures using transformation
	· Control of the cont
	S/W and H/W requirements - Core is processor, Fedora os.
_	gi creator
	tomar lun-ray alut-ray
_	Theory-
_	of coloring in a fixed
_	area or regions are defined at pixel level we have
_	algorithms like
_	O Boundary fill
_	D Flood fill
_	1 Edge fill
_	(9) Fence fill
_	The same of the sa

	Date Page
_	Page
	Maria Surgery
	Boundary fill algorithm
	This algorithm needs one point which is surely inside the valuable
0	This algorithm needs one point
	inside the polygon us seed point which is
②	inside the polygon This starting point is called seed point which is nothing but a point from which the filling process
	nothing but a form
	starts.
<u> </u>	It is recursive method. The argument of not if seed pixel has a boundary color pixel or not it is sixel boundary color and
	11 11 (11 LN) NIXE 1130174 0 1
<u> </u>	boundary make a recursive call to each of
	noted bearing nive
<u></u>	This doorithm mark for any shaped polygon and
160 hn	fills that polygon with boundary color by it uses
	high power of recursive calls and takes more
0.00	time and memory.
	Flood fill Algorithm
D	land the lan
	must be surely inside the polygon original color
	is previous or old color
0	If yes, fill that pixel with new color and use
F - 5	each of fixer neighbouring call
	A B
	Red Green
	β/U e
<u> </u>	sometimes we want to fill an area that is not defined with a single color hours
	defined with a single color boundary Flood filed
	helps in their case as we do not check boundary in
	Scanned with CamScanner

_	Algorithm - Boundary (2 4 200 1)
_	Boundary (r, y, newcolor) ?
	current = get pixel (x,y);
	If ((current! = newcolor) & (current! = boundarycolor))
	E putpixel (x, y, new color);
	boundary (x+1, y, newcolor);
	boundary (x, y+1, newcolur);
	boundary (x-1, y, newcolor);
	boundary (x,y-1, newcolor),
	man hall to take the column of the same than 2 more than
	Manager and the state of the same and the same
	Test case
	-2/10/2017 - 1/10/
	Input Output Status
	CONTRACTOR OF CANADA CONTRACTOR OF CONTRACTO
e.	length: 100 Success
	The second secon
	The state of the s
	signal and the parish of a star daid a star daid
	Condusion - Thus the seed fill and boundary fill
	algorithm will be implemented successfully
_	J
_	Land of the second of the seco
_	to a manage of the second
_	agar was a series and a series
-	CONTRACTO STATE OF THE STATE OF
/	Direction promisers & comments of the substitute
-	The second of th