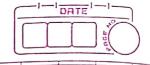
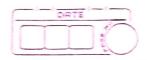


	Assignment 4 (A4)
	Problem definition: Write a C++ program
	to draw polygon in using a rouse
	choose colours oxing a color
4	to draw Polygon is using a Mouse choose colours using a color pane. Use DDA to draw lines.
7.5	
1.5	Objectives: To understand mouse events
أواجيوا	10 Understand Colors Strang
	Outcomes Be able to draw polygon of any colour using Mouse clicks.
pro.	Outcomes Be able to dead policyon
	or any colour using 1900se
	Clicks
	111 Id minister
F-07	H/w & s/w requirements:
	- Mouse - 64 bit Os
F.VE	- Ot cools.
Mon	Since Caracter Since
-	
	Theory: - Mouse clicks in Ot can be
	achieved by using "At move front. h"
, ,	header file.
	4 Main functions associated with the
	tollowing header tiles are used:
	1) Moure Poesi Event ()
100	2) Mouse Move Event ()
	3> Mouse Release Frent ()
- 2	4> Mouse Pouble (lidehent()
	y love position of the same of



y Movie Press Frent() It is called whenever the movie a botton is clicked.
2) Mouse Markshent () Ris tunction is called as long as Mouse button is Dressed. Once the button is released, the tunction is not called . Uphil tox dragging classes.
3) MouseRelease frent() This function is called whenever the Mouse button is released.
4) Mouse Double (lickbord) This function is called whenever the Mouse button is clicked twice.
All 4 functions take in a althousefrond Object Pointer as an assument which specifies the details about Moure event.
Colox Palette can be achieved Using 'a color Dialog' class static Method get (olor ();
- 10 draw a Polygon we use left clicks to detect new vertices - Whenever a new vertex is added, a new line is drawn from Pravious



	- To end the golgon, we use sight dicta.
	Test over
	Jopat expected of Actual ofp result
	drowing triongle I side sed 2. side sed pass tirst two 1 side blue 1. side blue
	blue
	Doars perlogon 3 side bler 3 side blee Jan with 3 2 side sed 2 side sed.
	blue colour l othersot whitest
	Conclusion:
	Thus, we using a Mouseevert, and a Colour dialog, we were able to generate a Coloured Polygon.
NATIONAL PROPERTY.	