Lab Goal: This lab was designed to teach you more object oriented programming and how to write a very simple game.

Lab Description: Complete the code for the Board class located in Board.java. The Board consists of four Blocks. Each of the four Blocks is a different color. The Board class can be and will be used to write some games.

```
public class Board extends JPanel implements MouseListener
private int width;
                                                                            Files Needed ::
private int height;
                                                                           Locatable.java
private Block topLeft;
 private Block topRight;
                                                                           Block.java
private Block botLeft;
                                                                           Board.java
private Block botRight;
                                                                           BlockGame.java
 //constructors
public void paintComponent(Graphics window)
    super.paintComponent(window);
    //draw all four blocks
 }
 public void swapTopRowColors()
 public void swapBottomRowColors()
 public void swapLeftColumnColors()
 public void swapRightColumnColors()
 public void mouseClicked(MouseEvent e)
    int mouseX=e.getX();
    int mouseY=e.getY();
    int mouseButton = e.getButton();
    if (mouseButton==MouseEvent.BUTTON1)
                                                  //left mouse button pressed
       //if mouse clicked on top left block - swap top left with top right
      //if mouse clicked on top right block - swap top right with top left
      //more checks for bottom left and bottom right
    //else check for right mouse button click
       //if mouse clicked on top left block - swap top left with bottom left
      //if mouse clicked on top right block - swap top right with bottom right
      //more checks for bottom left and bottom right
```