CSE105 Additional homework for Visual Learners

Visual Learners

- Download Week2Visual rar from ICE. Unpack it into your Netbeans Projects folder.
- Use File -> Open Project to open it.
- Run Window.java and play with it.
- Open Window.java in Netbeans. Have a look at it, but don't worry about all the code (it will all make sense in a few weeks!). Scroll down to this section:

```java
//*************** OK, HERE! work in this section. *********************
public void mouseMoved(MouseEvent e){
    int mouseX = e.getX();
    int mouseY = e.getY();
    if(mouseX > 600){
        graphics.setColor(Color.RED);
    }
    else{
        graphics.setColor(Color.CYAN);
    }
    graphics.drawOval(mouseX, mouseY, 20,20);
}
```

- Change the position on screen where the colour change happens
- Add more if or else if statements to make four colour bands
- Add two nested if statements to split the screen into four quarters: top left, top right, bottom left, bottom right.
- Try changing the colours. You can create your own colours like this:

```java
Color myColor = new Color(0, 255, 0);
graphics.setColor(myColor);
```

- Change drawOval to fillOval.
- Change the size of the oval/circle
- Change to drawRect or fillRect.
- Enjoy!

Joe Lewis 2017, 2018