1. Changing/extending the DrawingPanelMouseClicks project
In this exercise you are asked to implement a number changes to/extensions of the application in the DrawingPanelMouseClicks project that was presented at the lectures (the project can be downloaded from the webpage).

(a) Let the application also show the total number of mousePressed events that have occurred in the drawing panel.
(b) Let the application also show for each kind of mouse event the total number of that event that have occurred in the drawing panel.
(c) Let the application show the positions of the last 10 mousePressed events that occurred on the panel.
(d) As the previous question, but it should also draw a line between successive positions.
(e) As the previous question, but it should now draw the polygon defined by the positions.

2. Variations on the TimeOfDayViewer project
In this exercise you are asked to implement changes to the application in the TimeOfDayViewer project presented at the lectures (the project can be downloaded from the webpage).

(a) In the user interface add an advance button labeled ”Advance”. Pressing this button should advance the represented time of day with the number of seconds given by an additional JSpinner component.
(b) The current application displays the time in 24 hour format. Change the application to display the time in 12 hour format with an AM/PM indication.
(c) Change the application to display the time using a graphical representation of a three hand clock.
(d) In order to experiment with the application it is useful to have the ability to speed up (and slow down) the passing of time in the application. This can be done by decreasing (or increasing) the delay of the internal timer that is used. Implement this such that the user interface contains three additional buttons: one to speed up time, one to slow down time, and one to return to exact timing.