Doon Public School

A Senior Secondary School
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Assignment– **4**   **Subject: Informatics Practices**   **Class: XII**
Date: 22-08-2018

INSTRUCTIONS:

- **Do the given assignment in your assignment note book.**

Answer the following questions:

Q1. Find the component that best fits each of the following needs. Write down both the component's common name (such as "frame") and find the component's how-to page online.

a. A component that lets the user pick a color.

b. A component that displays an icon, but that doesn't react to user clicks.

c. A component that looks like a button and that, when pressed, brings up a menu of items for the user to choose from.

d. A container that looks like a frame, but that appears (usually with other, similar containers) within a real frame.

e. A container that lets the user determine how two components share a limited amount of space.

Q2. Which method do you use to add a menu bar to a top-level container such as a JFrame?

Q3. Which method do you use to specify the default button for a top-level container such as a JFrame or JDialog?

Q4. Which method do you use to enable and disable components such as JButtons? What class is it defined in?
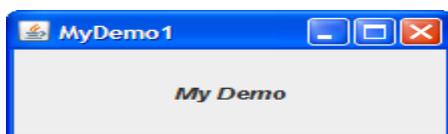
Q5. a. Which Swing components use ListSelectionModel? [*Hint:* The "Use" link at the top of the specification for each interface and class takes you to a page showing where in the API that interface or class is referenced.]

b. Do those components use any other models to handle other aspects of the components' state? If so, list the other models' types.

Q6. Which type of model holds a text component's content?

Exercises

1. Implement a program with a GUI that looks like the one shown below. Put the main method in a class named MyDemo1.

2. Make a copy of MyDemo1.java named MyDemo2.java. Add a menu bar to MyDemo2.
3. Copy MyDemo1.java to MyDemo3.java. Add a button (JButton) to MyDemo3.java. Make it the default button.