1. A graphical user interface, which is programmed visual output that can be interacted with in more ways than just the console due to being event-driven.
2. Code is executed in response to events (user interaction)
3. *A* component can be added directly to a frame as a content pane, which then contains more components to build the interface
4. No, it cannot. It is not capable of responding directly to interaction. A JLabel does not receive events as it does not contain an ActionListener.
5. To ensure that each event is successfully managed before trying to process another one.
6. A button can contain an ActionListener that activates when the button is clicked, while a label is just static text that cannot be directly interacted with. They also visually appear different in their default states.