

Generating DialogBoxes

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1. Dialog boxes are popup windows which are displayed at runtime of a GUI application.
2. In Java to generate these dialog boxes we use a class called **JOptionPane** available in the package `javax.swing`;
3. This class provides us 3 types of dialog boxes:
 - a) Message dialog
 - b) Confirm dialog
 - c) Input dialog

Generating message dialog

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1. A message dialog is used to display text message to the user informing him about some activity.
2. To generate a message dialog we use a static method called **showMessageDialog()** belonging to the class **JOptionPane** having 3 overloaded versions and the most popular is

public static void showMessageDialog(Component, Object, String, int, Icon);

Example:

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```
try{
    .....
}
catch (NumberFormatException ex) {
    ImageIcon icon=new ImageIcon("d:/images/cross.gif");
    JOptionPane.showMessageDialog(null, "Please input digits only!",
    "Error!",JOptionPane.PLAIN_MESSAGE,icon);
}
```

Generating confirm dialog

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1. A confirm dialog is used in those cases where we want to ask the user about his response for some kind of action. For example: before quitting the app we can get a confirmation from the user using confirm dialog.

2. To generate a confirm dialog the class JOptionPane provides us a method called:

showConfirmDialog() which is a static method and has the following prototype:

public static int showConfirmDialog(Component, Object, String, int, int, Icon);

Improved Code Of Quit Button

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```
private void btnQuitActionPerformed(java.awt.event.ActionEvent evt) {  
    int ans;  
    ans=JOptionPane.showConfirmDialog(null,"Are you sure to quit ?", "Ja rahe ho..",  
JOptionPane.YES_NO_OPTION,JOptionPane.QUESTION_MESSAGE);  
    if(ans==JOptionPane.YES_OPTION)  
        System.exit(0);  
}
```

Represents the
icon we want on
Confirm
Dialog

Represents type
of button we
want on
Confirm
Dialog

Next class timing

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1. CSS Practical : Sunday(8th Oct) 9:30 AM
2. Javascript class: Mon(9th Oct) at 7:30 PM.
3. Java Project class : Tue(10th Oct) same time at 9:20 pm.