CS201 Introduction to Java Programming
I/O Using JOptionPane

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JOptionPane

◆ Input and output using a Dialog box

JOptionPane.showInputDialog(some_string);

JOptionPane.showMessageDialog(null, some_string);

Input Example

```java
import javax.swing.JOptionPane;

public class InputExp {

    public static void main( String args[] )
    {
        int a;
        double b;
        String sa;

        // error! showInputDialog returns a String type
        a = JOptionPane.showInputDialog( "Please input a integer:" );

        sa = JOptionPane.showInputDialog( "Please input a integer:" );
        a = Integer.parseInt( sa );

        sa = JOptionPane.showInputDialog( "Please input a real number:" );
        b = Double.parseDouble( sa );

        System.exit(0);
    }

} // end of InputExp
```

Output Example

```java
JOptionPane.showMessageDialog(
        null,
        "The integer is " + a  + "\nThe real number is " + b
);
```