```
/*** Units Converter ***********************************
Lucy has trouble remembering things like: 1 km = 0.6 miles
She wants to make a program that pops-up conversion factors.
She wants to be able to type in a unit, like "km", and see
a list of conversions, e.g.:
  1 km = 1000 m = 0.6 miles
This requires the ability to have a pop-up box that inputs data.
***********************************************************/
public class UnitConverter
{
  public static void main(String[] args)
  {  new UnitConverter(); }

  public UnitConverter()
  {
    String unit = input("Type a unit");

    if(unit.equals("km"))
    { System.out.println("1 km = 1000 m = 0.6 miles");}
    if(unit.equals("mi"))
    { System.out.println("1 mi = 5280 ft = 1.6 km"); }
    if(unit.equals("ft"))
    { System.out.println("1 ft = 12 in = 30.5 cm"); }
    if(unit.equals("liter"))
    { System.out.println("1 liter = 1000 ml = 1/3 gallon"); }
  }

  public String input(String prompt)
  { return javax.swing.JOptionPane.showInputDialog(null,prompt); }

}
```

void main runs first.

Then it creates **new** program **Object.**

Then the **constructor** runs.

Input a unit like:
mi or **km**

The **if..** commands choose between 4 different units:

km

mi

ft

liter

Then it prints a different answer for each unit. The resulting .println commands is enclosed in { curly braces } .

Standard Swing library dialog to input a String.