

```
import javax.swing.JOptionPane;
/**
 * @author      Nathan Chen
 * @author      Benjamin Tu
 * @teacher     Coglianese
 * @version     12-11-18
 * @period      2
 *
 * Driver13 is necklace lab
 */
public class Driver13
{
    //Instance variables
    public static int first;
    public static int second;

    /**
     * Default constructor
     */
    public static void main(String[] args)
    {
        first=11;
        second=11;
        System.out.println();
        do{
            do{ first = Integer.parseInt(JOptionPane.showInputDialog("First"
));
                }while (first<-1 || first >9);
            if(first!=-1){
                do{ second = Integer.parseInt(JOptionPane.showInputDialog("S
econd"));
                    }while (second<-1 || second >9);
                    if(second!=-1)
                        necklace();
                }
            } while (first != -1);
        }

    /**
     * Makes a number necklace
     */
    public static void necklace()
    {
        int index=0;
        int a=first;
        System.out.print(" " + a + " ");
        int b=second;
        int c=(a+b)%10;
        do {
```

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        c=(a+b)%10;
        a=b;
        b=c;
        System.out.print(" " + a + " ");
        index++;
    }while(a!=first || b!=second);
    System.out.println(" " + b);
    System.out.println("Iterations: " + index);
}
}
```