

```
public class TypecastingExample {  
  
    public static void main(String[] args) {  
        int intValue = 876;  
        long longValue = intValue;  
        float floatValue = longValue;  
        double doubleValue = floatValue;  
  
        System.out.println("Implicit Type Casting:");  
        System.out.println("int: " + intValue);  
        System.out.println("long: " + longValue);  
        System.out.println("float: " + floatValue);  
        System.out.println("double: " + doubleValue);  
        double doubleNumber = 45.678;  
        float floatNumber = (float) doubleNumber;  
        long longNumber = (long) floatNumber;  
        int intNumber = (int) longNumber;  
        System.out.println("\nExplicit Type Casting:");  
        System.out.println("double: " + doubleNumber);  
        System.out.println("float: " + floatNumber);  
        System.out.println("long: " + longNumber);  
        System.out.println("int: " + intNumber);  
  
    }  
}
```