

# An example of a class

CSC140 Foundations of Computer Science

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## 1 Weight.java

```
package aufgaben;

public class Weight {
    private static final int OUNCES.PER.POUND = 16;

    private int pounds;
    private int ounces;

    public Weight( int pounds, int ounces ) {
        this.pounds = pounds;
        this.ounces = ounces;
    } // Weight( int, int )

    public Weight add( Weight anotherWeight ) {
        int sumOfOunces = this.ounces + anotherWeight.ounces;
        int lbs = this.pounds + anotherWeight.pounds +
            sumOfOunces/OUNCES.PER.POUND;
        int oz = sumOfOunces % OUNCES.PER.POUND;
        return new Weight( lbs, oz );
    } // add( Weight )

    public String toString() {
        return this.pounds + "_lbs.,_" + this.ounces + "_oz.";
    } // toString()

    public static void main( String[] args ) {
        Weight cherries = new Weight( 1, 10 );
        Weight grapes = new Weight( 2, 12 );
        Weight fruit = cherries.add( grapes );
        System.out.println( cherries + "_+_ " + grapes + "_=_ " + fruit );
    } // main( String[] )
} // Weight
```