

```

class Shoe_factory{
    boolean tied = false;
    public String colour;
    public String brand;
    public static int shoes_made = 0;

    public void lace(){
        shoe_message();
        tied = true;
        System.out.println("I am laced.");
    }

    public void unlace(){
        shoe_message();
        tied = false;
        System.out.println("I am unlaced.");
    }

    public void shoestatus(){
        shoe_message();
        System.out.print("My Brand: " + brand);
        System.out.print(", my Colour: " + colour);
        System.out.println(" laced?: " + tied);
        System.out.println();
    }

    public Shoe_factory(String bra, String col){
        factory_message();
        brand = bra;
        colour = col;
        shoes_made = shoes_made + 1;
        System.out.println
            ("Hurray, we made another shoe!");
    }

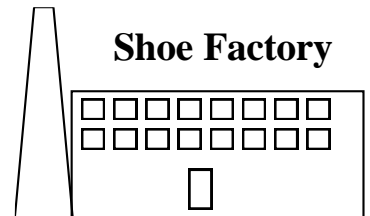
    public static void how_many_shoes(){
        factory_message();
        System.out.println
            ("This factory has manufactured " +
            shoes_made + " shoe(s).");
        System.out.println();
    }

    private void shoe_message(){
        /* Simple instance method to print out a message */
        System.out.print("A message from a shoe: ");
    }

    private static void factory_message(){
        /* Simple class method to print out a message */
        System.out.print("A message from the factory: ");
    }
}

```

**Shoe Factory Example**  
**CPS109, A Ferworn, Fall 15**



```

class Shoe_factory_driver{
    public static void main(String[] args){
        System.out.println
            ("Factory, how many shoes have you made?");
        Shoe_factory.how_many_shoes();

        Shoe_factory runner;
        System.out.println
            ("Factory, make a Silver Nike.");
        runner = new Shoe_factory("Nike","Silver");

        System.out.println
            ("Factory, now how many shoes have you made?");
        Shoe_factory.how_many_shoes();

        System.out.println
            ("Factory, make a brown Buster brown shoe.");
        Shoe_factory casual =
            new Shoe_factory("Buster Brown", "Brown");

        System.out.println
            ("Factory, now how many shoes have you made?");
        Shoe_factory.how_many_shoes();

        System.out.println
            ("What is the status of each shoe?");
        runner.shoestatus();
        casual.shoestatus();

        System.out.println("Lace up my runner.");
        runner.lace();

        System.out.println
            ("What is the status of my shoes now?");
        runner.shoestatus();
        casual.shoestatus();
    }
}

```

