Philip Pesic

Week 9

March 19 2023

Week 9 Prog 1

Prog 1 - Modify the following code to:

* Create a Driver Class

* Create a GDC class.

Find GCD of two numbers.

The HCF or GCD of two integers is the largest integer that

can exactly divide both numbers (without a remainder).

```
package Prog1;

class prog1 {
   public static void main(String[] args) {
       GCD calculator = new GCD(256, 126);
       calculator.findFactors();
       System.out.println("Philip Pesic 3/19/23");
   }

}
package Prog1;

public class GCD {
   int n1, n2, gcd;

   public GCD(int n1, int n2) {
       this.n1 = n1;
       this.n2 = n2;
   }

   public void findFactors() {
       for(int i = 1; i <= n1 && i <= n2; ++i) {
           if(n1 % i==0 && n2 % i==0) {
               gcd = i;
           }
       System.out.printf("G.C.D. of %d and %d is %d", n1, n2, gcd);
       System.out.println("");
```

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```
            }
        }
}
```

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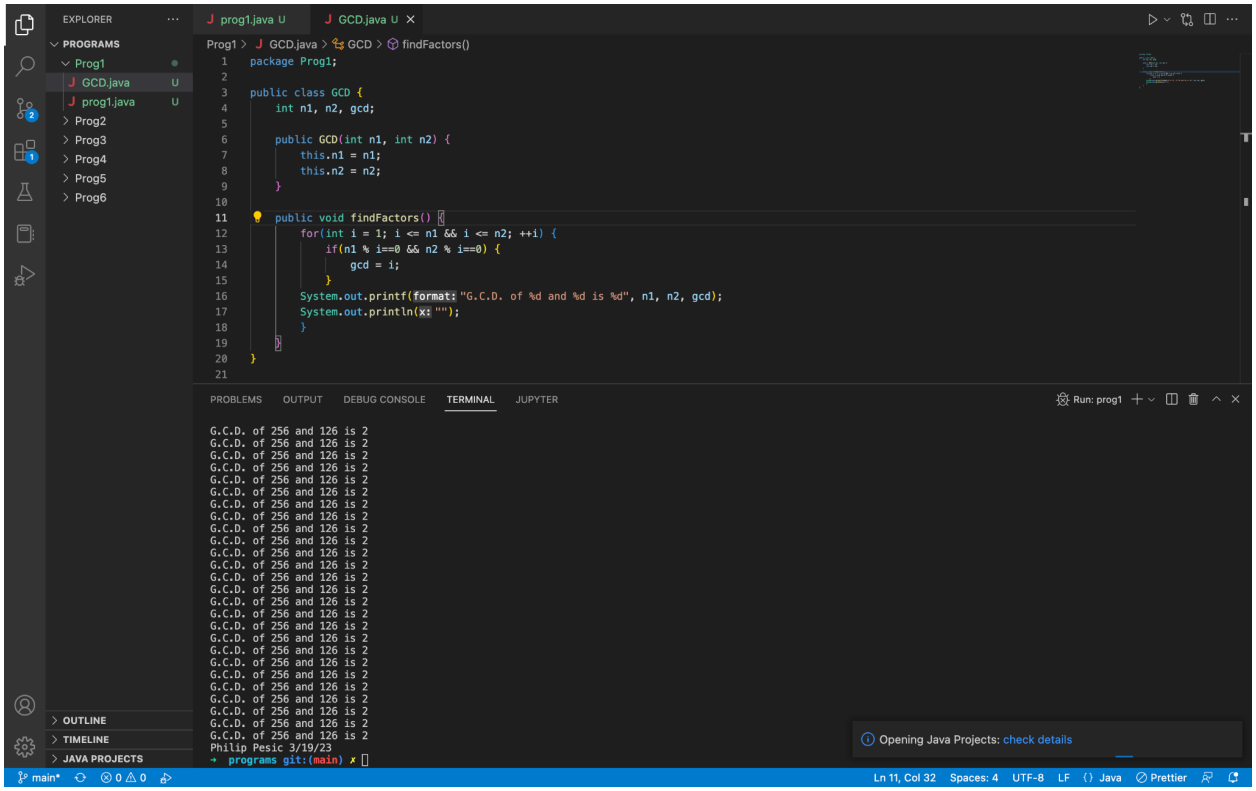

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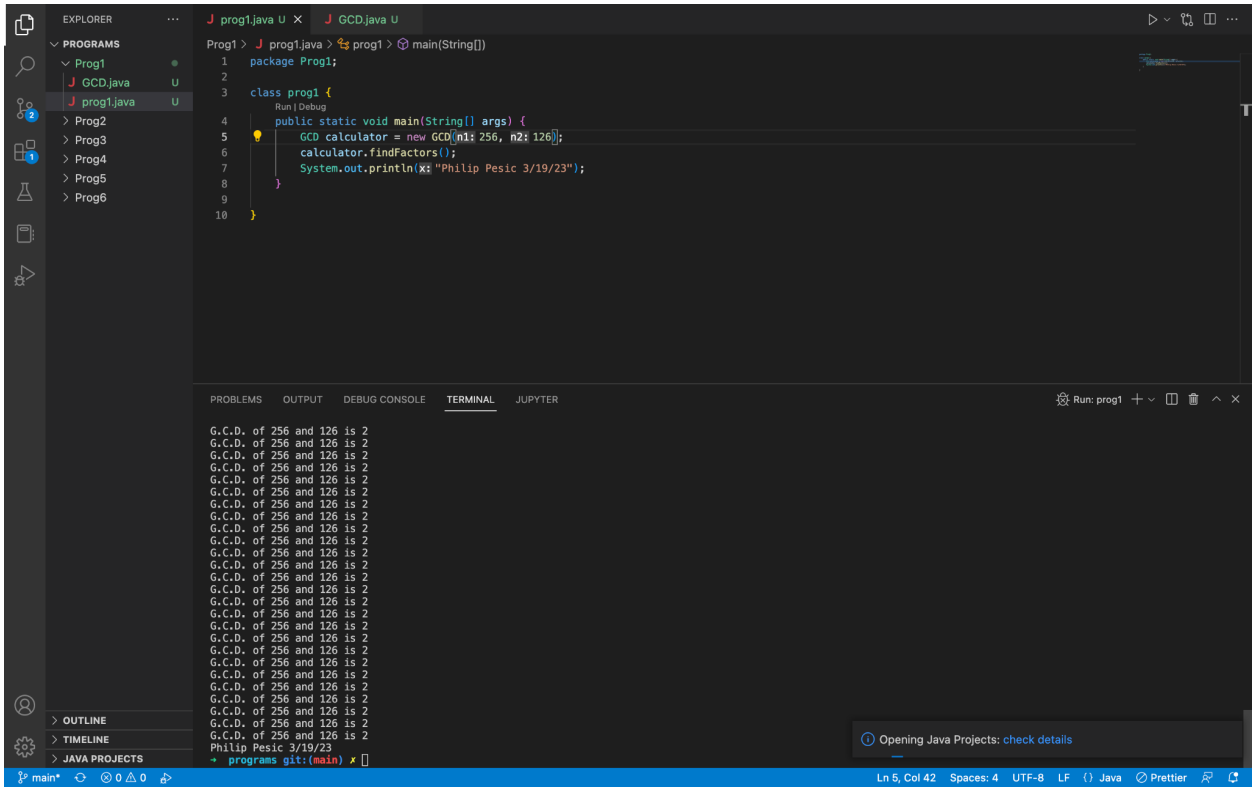

I learned: how to use parameters for constructors