Philip Pesic

Week 9

March 19 2023

Week 9 Prog 2

Prog 2 - Modify the following code to:

* Create a Driver Class

* Create a LCM class.

Find LCM for a number.

The LCM of two integers is the smallest positive integer that

is perfectly divisible by both the numbers (without a remainder).

```
package Prog2;

class prog2 {
   public static void main(String[] args) {
       LCM lcmCalc = new LCM(144, 16);
       lcmCalc.getLCM();
       System.out.println("Philip Pesic 3/19/23");
   }
}


package Prog2;

public class LCM {
   private int n1, n2, lcm;

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

   public void getLCM() {
       lcm = (n1 > n2) ? n1 : n2;

       while(true) {
           if( lcm % n1 == 0 && lcm % n2 == 0 ) {
               System.out.printf("The LCM of %d and %d is %d.", n1, n2, lcm);
```

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```
                System.out.println("");
                break;
            }
        ++lcm;

        }
    }
}
```

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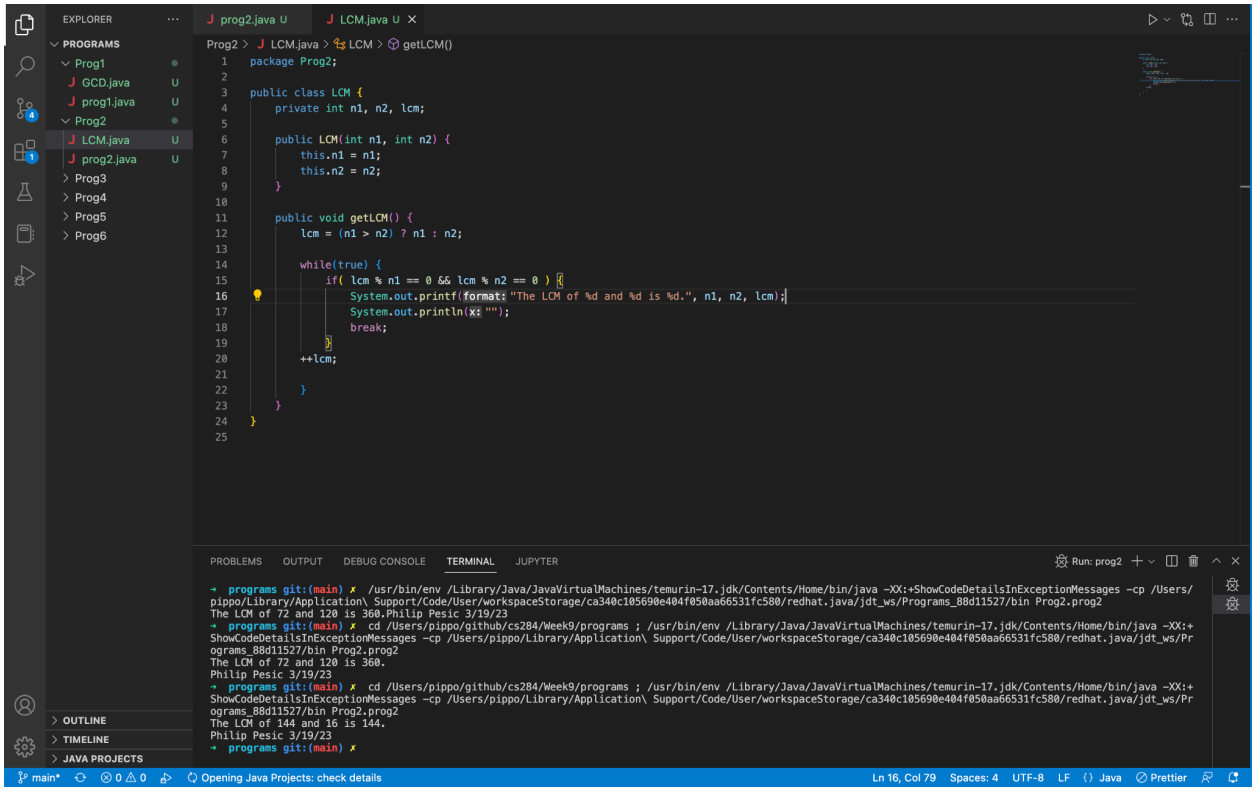

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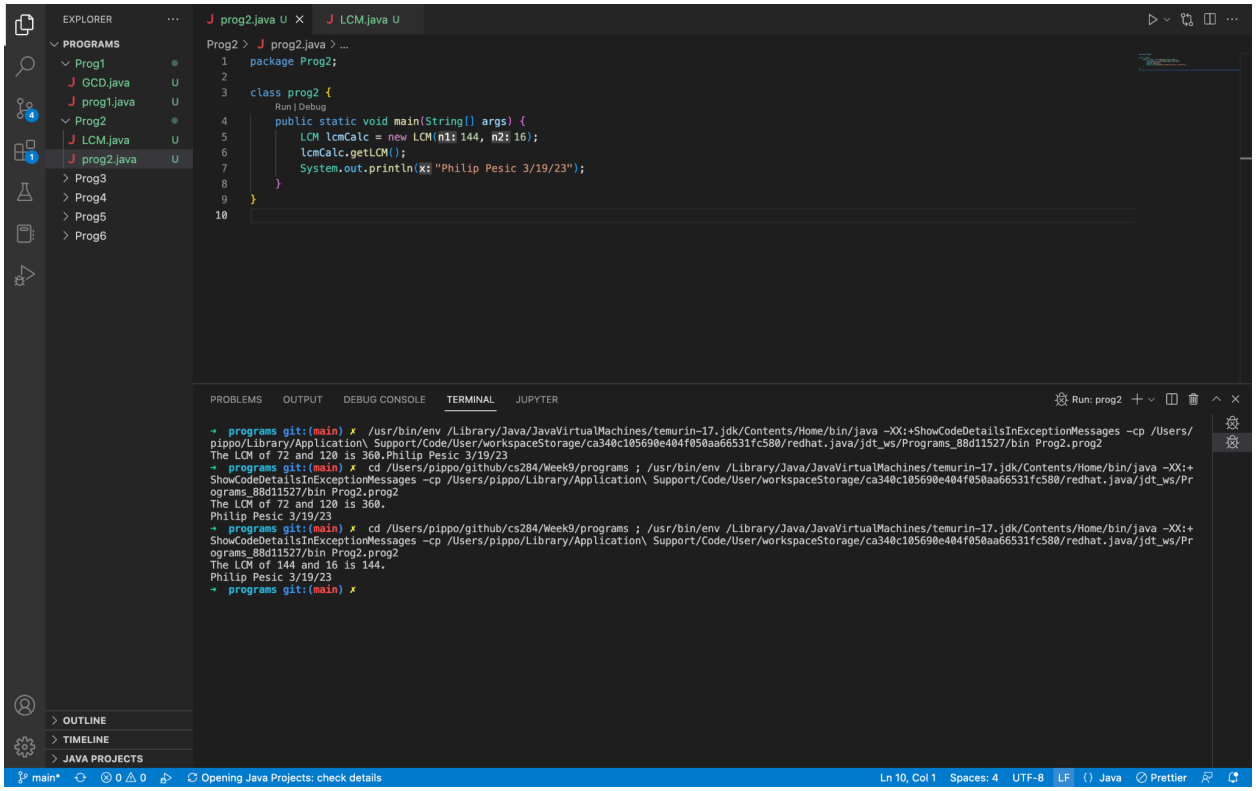

I learned: how to use composition to find the lcm of 2 numbers