Philip Pesic

Week 9

March 19 2023

Week 9 Prog 0

Write the program demonstrated in the Composition video Above

```
package Prog0;

class prog0 {
   public static void main(String[] args) {
       Computer c = new Computer();

       System.out.println("\n Browsing the Internet...");
       System.out.println("\n Writing source code...");
       System.out.println("\n Saving Work... \n");

       c.allDone();
       c = null;
       System.out.println("Philip Pesic 3/19/23");
   }
}


package Prog0;

public class PowerSupply {

   void turnOn() {
       System.out.println("Powering on");
   }

   void turnOff() {
       System.out.println("Powering off");
   }
}


package Prog0;

public class Computer {
   private OperatingSystem os = new OperatingSystem();
   private PowerSupply ps = new PowerSupply();
```

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```
    Computer() {
        ps.turnOn();
    }

    void allDone() {
        os.shutDown();
        ps.turnOff();
    }
}


package Prog0;

public class OperatingSystem {

    void bootUp() {
        System.out.println("OS is booting up");
    }

    void shutDown() {
        System.out.println("OS is shutting down");
    }
}
```

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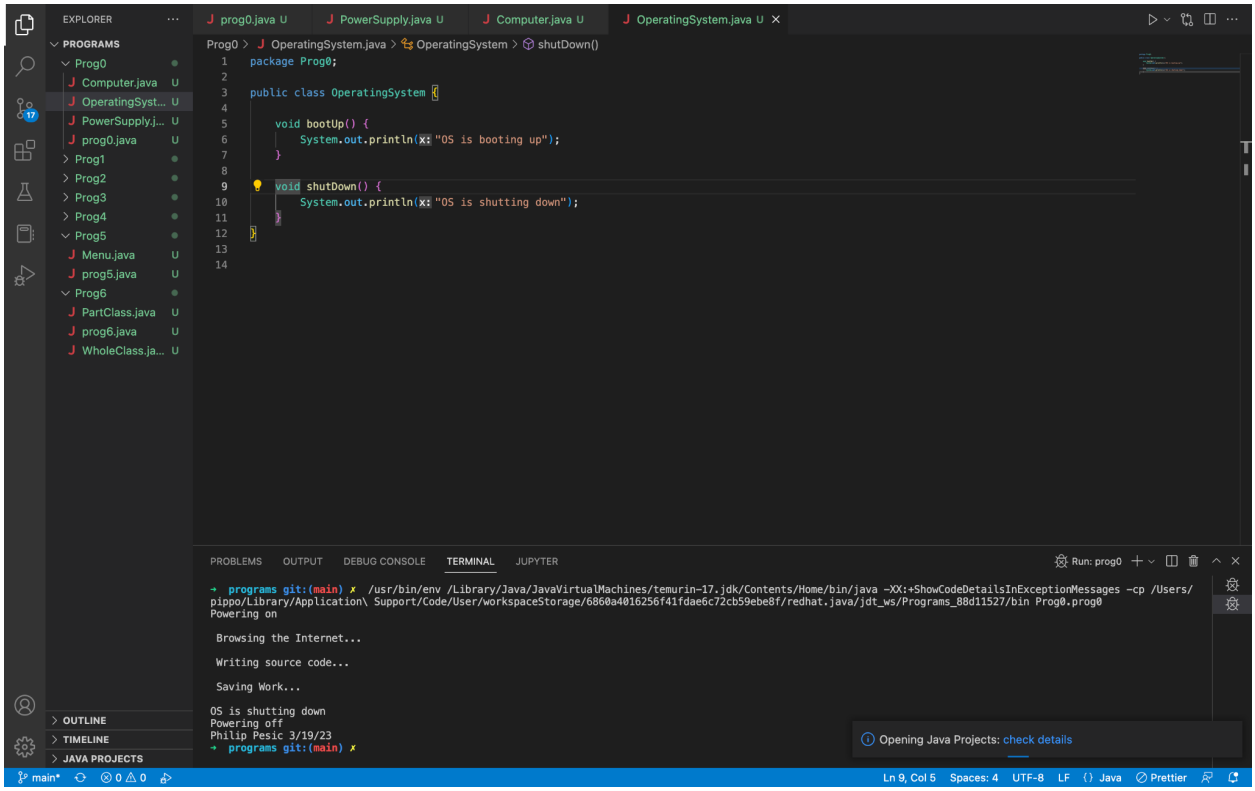

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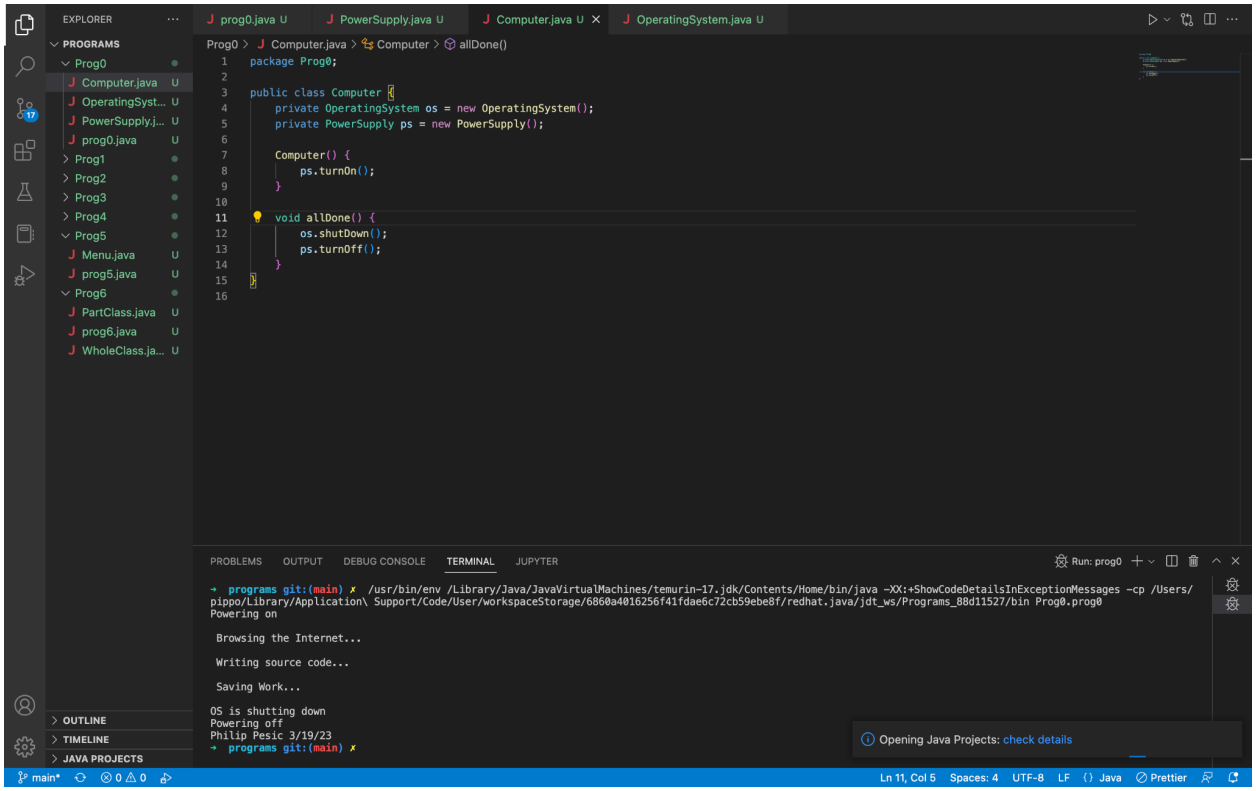

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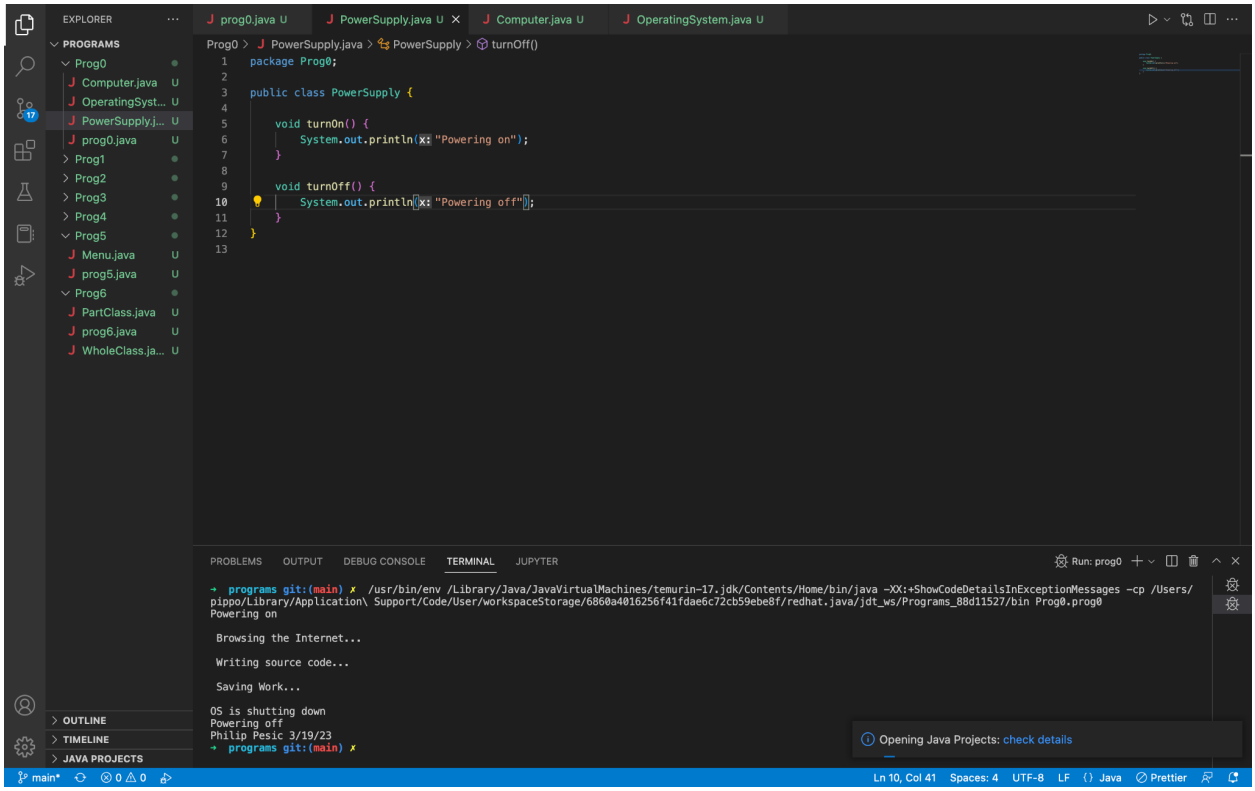

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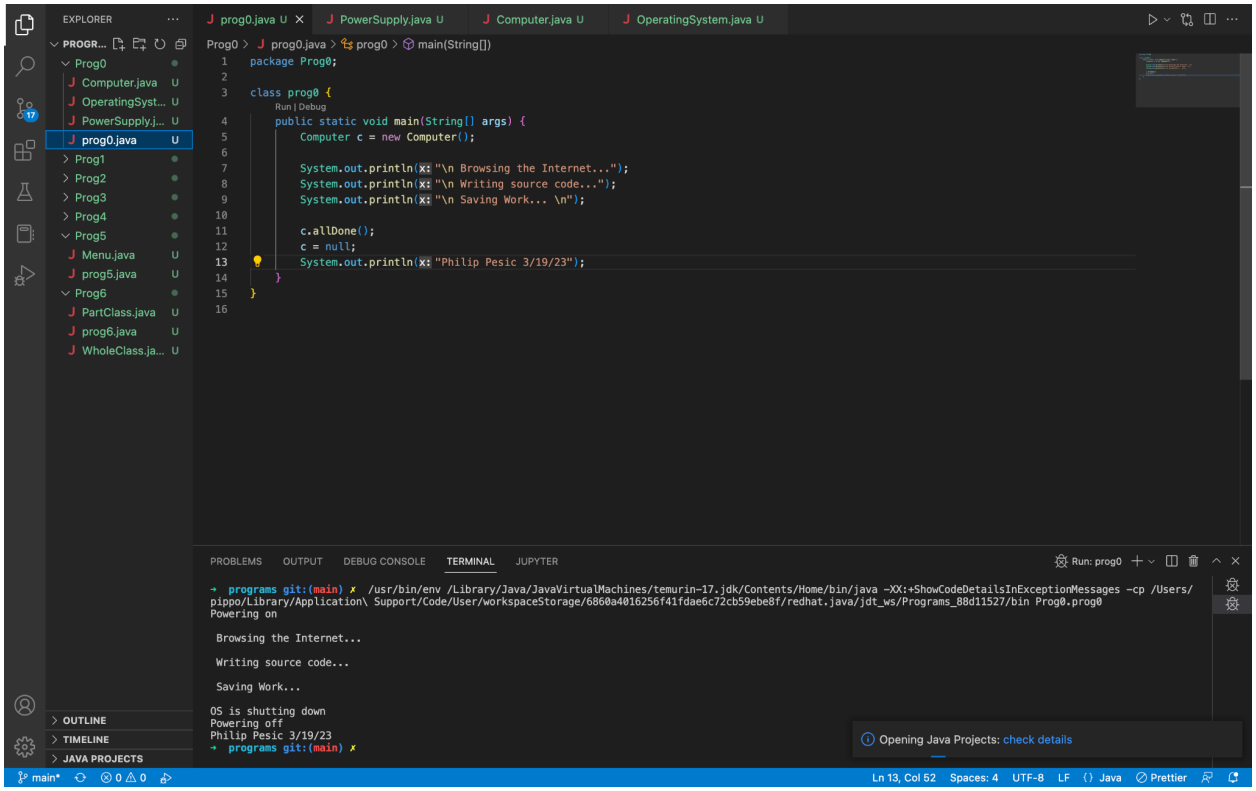

I learned: how to use composition in my programs