

Philip Pesic

Week 13

April 16 2023

Week 13 Prog 1

\* Part 1 - Watch the several videos in the lecture.

Write a summary of each video.

Write and run the code in each video.

```
package Prog1;

class prog1 {
    public static void main(String[] args) {
        food f = new food();
        tuna t = new tuna();
        f.eat();
        t.eat();
        System.out.println("Philip Pesic 4/16/23");
    }
}

package Prog1;

public class food {
    void eat() {
        System.out.println("This food is great");
    }
}

package Prog1;

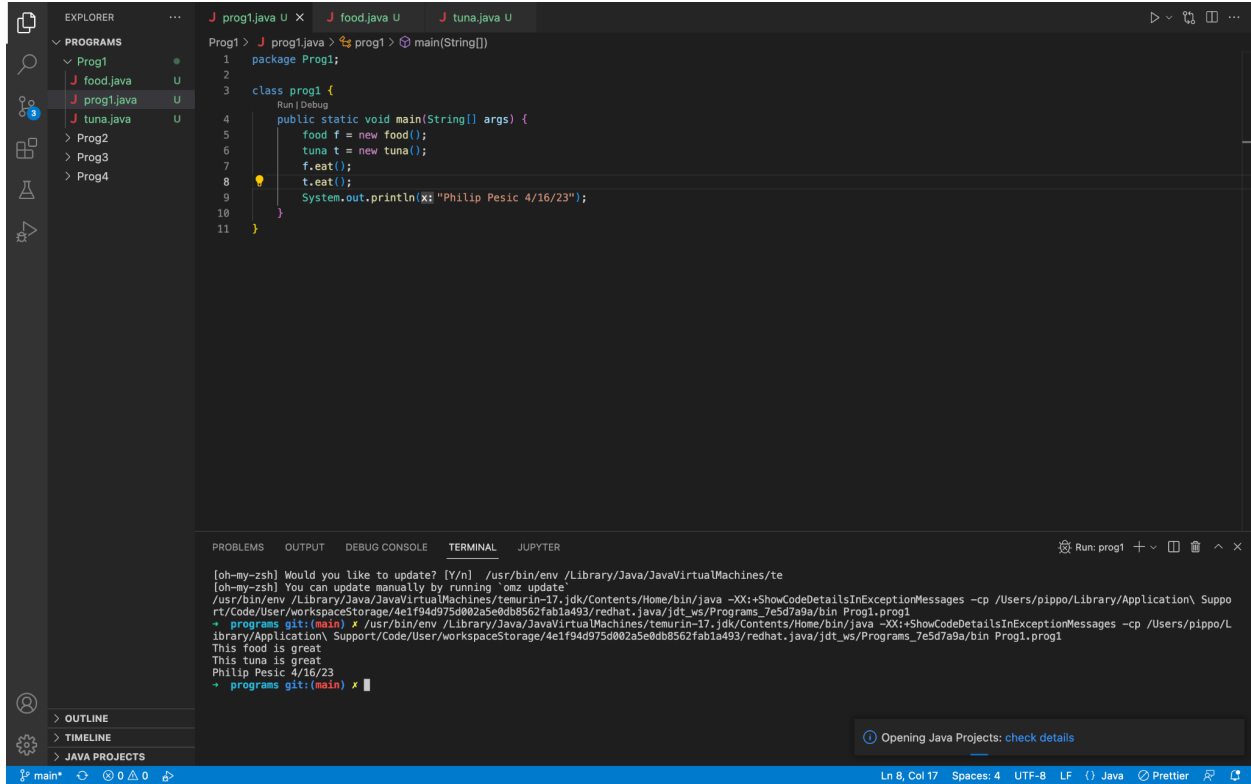
public class tuna extends food {
    void eat() {
        System.out.println("This tuna is great");
    }
}
```

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The screenshot shows an IDE with a dark theme. The Explorer panel on the left shows a project named 'Prog1' with files 'food.java', 'prog1.java', and 'tuna.java'. The main editor displays the code for 'prog1.java':

```
1 package Prog1;
2
3 class prog1 {
4     public static void main(String[] args) {
5         food f = new food();
6         tuna t = new tuna();
7         f.eat();
8         t.eat();
9         System.out.println("Philip Pesic 4/16/23");
10    }
11 }
```

The bottom panel shows the 'TERMINAL' output:

```
[oh-my-zsh] Would you like to update? [Y/n] /usr/bin/env /Library/Java/JavaVirtualMachines/te
[oh-my-zsh] You can update manually by running 'omz update'
/usr/bin/env /Library/Java/JavaVirtualMachines/temurin-17.jdk/Contents/Home/bin/java -XX:+ShowCodeDetailsInExceptionMessages -cp /Users/pippo/Library/Application\ Suppo
rt/Code/User/workspaceStorage/4e1f94d975d002a5e0db8562fab1a493/redhat.java/jdt_ws/Programs_7e5d7a9a/bin Prog1.prog1
+ programs git:(main) * /usr/bin/env /Library/Java/JavaVirtualMachines/temurin-17.jdk/Contents/Home/bin/java -XX:+ShowCodeDetailsInExceptionMessages -cp /Users/pippo/L
ibrary/Application\ Support/Code/User/workspaceStorage/4e1f94d975d002a5e0db8562fab1a493/redhat.java/jdt_ws/Programs_7e5d7a9a/bin Prog1.prog1
This food is great
This tuna is great
Philip Pesic 4/16/23
+ programs git:(main) *
```

A notification at the bottom right says 'Opening Java Projects: check details'. The status bar at the bottom shows 'Ln 8, Col 17', 'Spaces: 4', 'UTF-8', 'LF', 'Java', 'Prettier', and a refresh icon.

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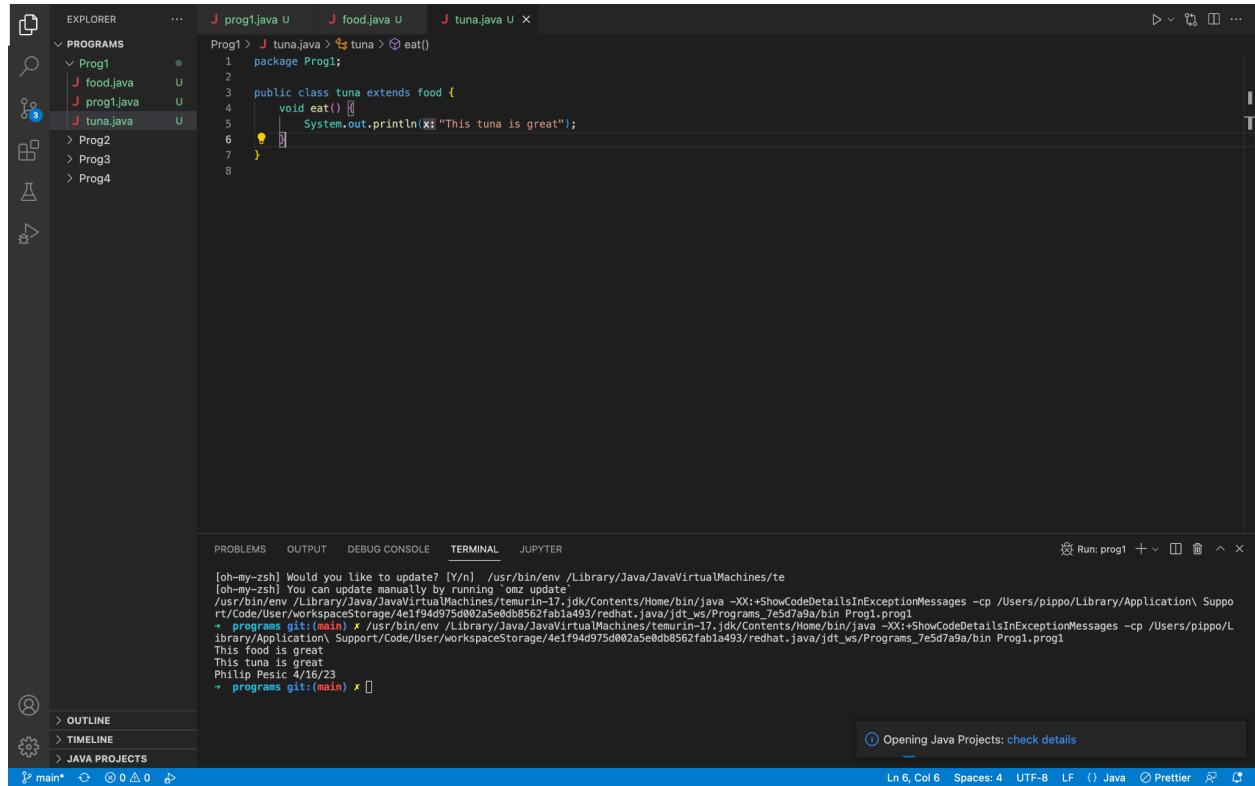
The screenshot shows the IntelliJ IDEA IDE interface. On the left, the 'EXPLORER' panel displays the project structure for 'PROGRAMS', which includes a 'Prog1' directory containing 'food.java', 'Prog1.java', and 'tuna.java'. The main editor window shows the code for 'Prog1.java', which is a Java class named 'food' with an 'eat()' method that prints 'This food is great!'. The bottom panel shows the 'TERMINAL' view with the output of running the program, which is 'This food is great!'. The status bar at the bottom indicates the current file is 'Ln 1, Col 15' and the encoding is 'UTF-8'.

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```
1 package Prog1;
2
3 public class tuna extends food {
4     void eat() {
5         System.out.println("This tuna is great!");
6     }
7 }
8
```

```
[oh-my-zsh] Would you like to update? [Y/n] /usr/bin/env /Library/Java/JavaVirtualMachines/te
[oh-my-zsh] You can update manually by running 'omz update'
/usr/bin/env /Library/Java/JavaVirtualMachines/temurin-17.jdk/Contents/Home/bin/java -XX:+ShowCodeDetailsInExceptionMessages -cp /Users/pippo/Library/Application\ Suppo
rt/Code/User/workspaceStorage/4e1f94d975d002a5e0db8562fab1a493/redhat.java/jdt_ws/Programs_7e5d7a9a/bin Prog1.prog1
+ programs git:(main) * /usr/bin/env /Library/Java/JavaVirtualMachines/temurin-17.jdk/Contents/Home/bin/java -XX:+ShowCodeDetailsInExceptionMessages -cp /Users/pippo/L
ibrary/Application\ Support/Code/User/workspaceStorage/4e1f94d975d002a5e0db8562fab1a493/redhat.java/jdt_ws/Programs_7e5d7a9a/bin Prog1.prog1
This food is great
This tuna is great
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+ programs git:(main) *
```

I learned how polymorphism works