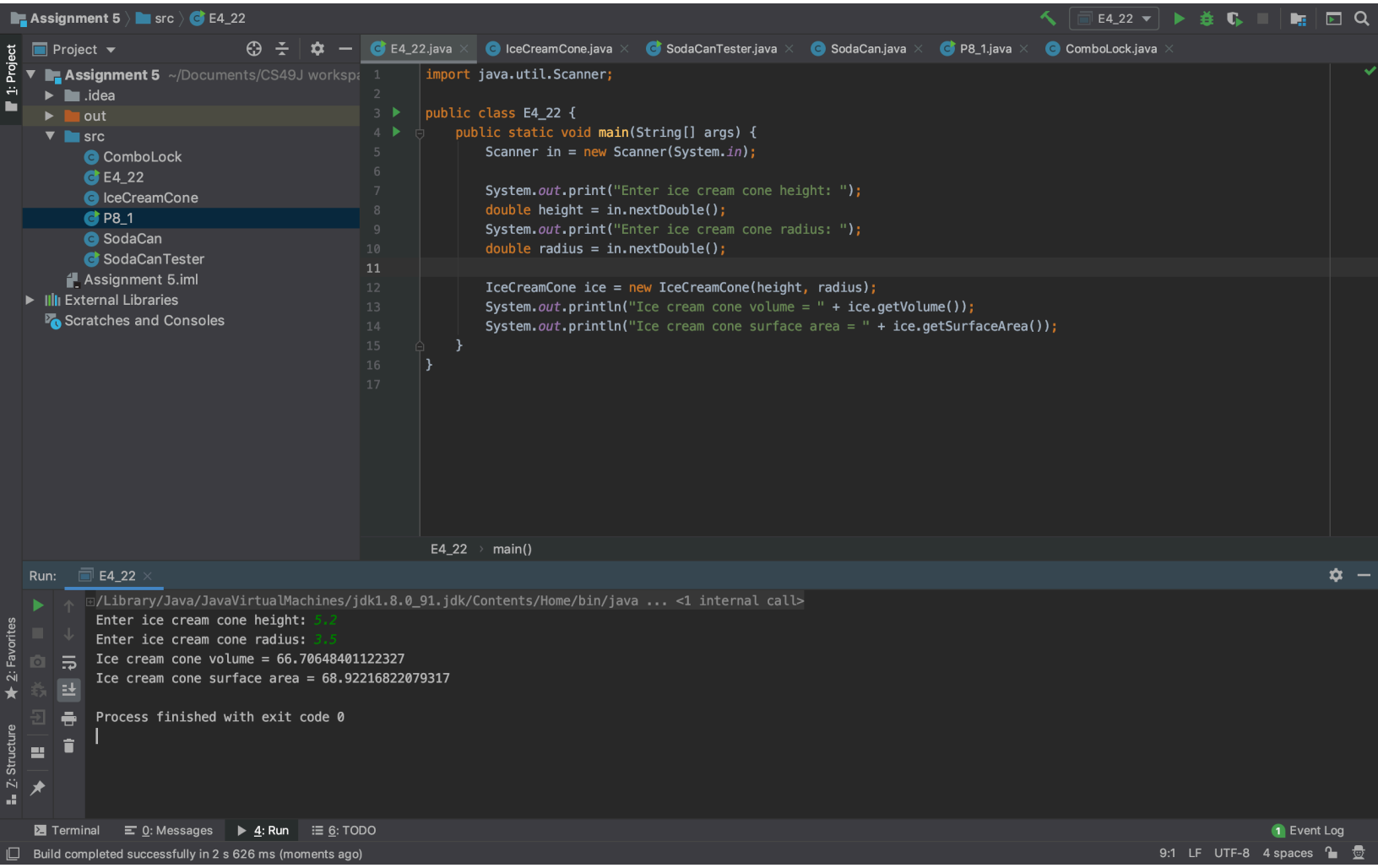
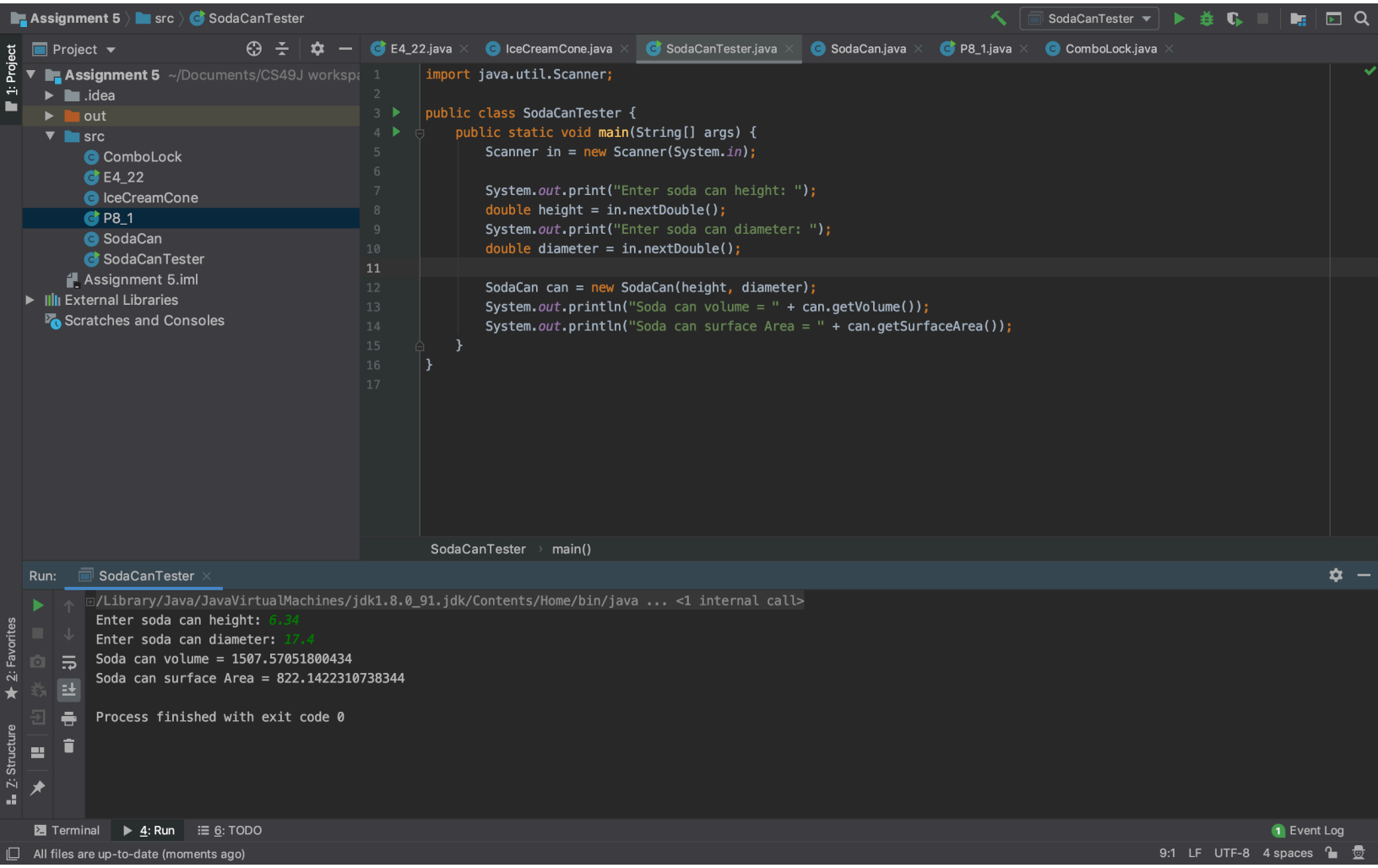
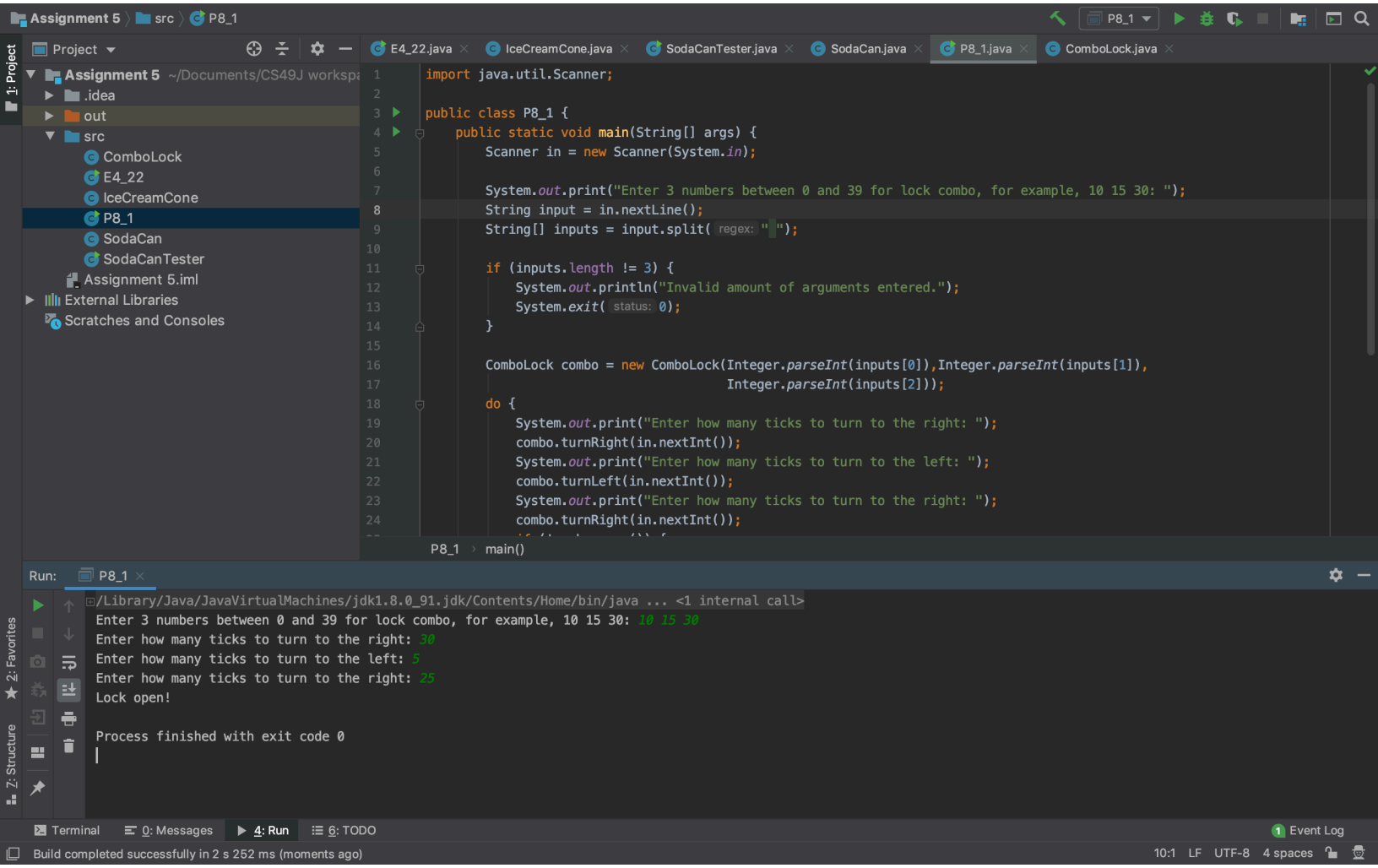
Mahdi Khaliki
https://bitbucket.org/mkhaliki/assignment-5-e4.22-e4.23-and-p8.1/src/master/

Instructions:
E4_22.java and IceCreamCone.java must be in the same project.
SodaCanTester.java and SodaCan.java must be in the same project.
P8_1.java and ComboLock.java must be in the same project.


Assignment 5 › src › E4_22
E4_22
Project
E4_22.java
IceCreamCone.java
SodaCanTester.java
SodaCan.java
P8_1.java
ComboLock.java
Assignment 5 ~/Documents/CS49J workspa
.idea
out
src
ComboLock
E4_22
IceCreamCone
P8_1
SodaCan
SodaCanTester
Assignment 5.iml
External Libraries
Scratches and Consoles
import java.util.Scanner;
public class E4_22 {
public static void main(String[] args) {
Scanner in = new Scanner(System.in);
System.out.print("Enter ice cream cone height: ");
double height = in.nextDouble();
System.out.print("Enter ice cream cone radius: ");
double radius = in.nextDouble();
IceCreamCone ice = new IceCreamCone(height, radius);
System.out.println("Ice cream cone volume = " + ice.getVolume());
System.out.println("Ice cream cone surface area = " + ice.getSurfaceArea());
}
}
E4_22 › main()
Run:
E4_22
/Library/Java/JavaVirtualMachines/jdk1.8.0_91.jdk/Contents/Home/bin/java ... <1 internal call>
Enter ice cream cone height: 5.2
Enter ice cream cone radius: 3.5
Ice cream cone volume = 66.70648401122327
Ice cream cone surface area = 68.92216822079317
Process finished with exit code 0
Terminal
0: Messages
4: Run
6: TODO
Event Log
Build completed successfully in 2 s 626 ms (moments ago)
9:1
LF
UTF-8
4 spaces


Assignment 5 › src › SodaCanTester
SodaCanTester
Project
E4_22.java
IceCreamCone.java
SodaCanTester.java
SodaCan.java
P8_1.java
ComboLock.java
Assignment 5 ~/Documents/CS49J workspa
.idea
out
src
ComboLock
E4_22
IceCreamCone
P8_1
SodaCan
SodaCanTester
Assignment 5.iml
External Libraries
Scratches and Consoles
import java.util.Scanner;
public class SodaCanTester {
public static void main(String[] args) {
Scanner in = new Scanner(System.in);
System.out.print("Enter soda can height: ");
double height = in.nextDouble();
System.out.print("Enter soda can diameter: ");
double diameter = in.nextDouble();
SodaCan can = new SodaCan(height, diameter);
System.out.println("Soda can volume = " + can.getVolume());
System.out.println("Soda can surface Area = " + can.getSurfaceArea());
}
}
SodaCanTester › main()
Run: SodaCanTester
/Library/Java/JavaVirtualMachines/jdk1.8.0_91.jdk/Contents/Home/bin/java ... <1 internal call>
Enter soda can height: 6.34
Enter soda can diameter: 17.4
Soda can volume = 1507.57051800434
Soda can surface Area = 822.1422310738344
Process finished with exit code 0
Terminal
4: Run
6: TODO
Event Log
All files are up-to-date (moments ago)
9:1 LF UTF-8 4 spaces


Assignment 5 › src › P8_1
P8_1
Project
E4_22.java
IceCreamCone.java
SodaCanTester.java
SodaCan.java
P8_1.java
ComboLock.java
Assignment 5 ~/Documents/CS49J workspa
.idea
out
src
ComboLock
E4_22
IceCreamCone
P8_1
SodaCan
SodaCanTester
Assignment 5.iml
External Libraries
Scratches and Consoles
import java.util.Scanner;
public class P8_1 {
public static void main(String[] args) {
Scanner in = new Scanner(System.in);
System.out.print("Enter 3 numbers between 0 and 39 for lock combo, for example, 10 15 30: ");
String input = in.nextLine();
String[] inputs = input.split(regex: " ");
if (inputs.length != 3) {
System.out.println("Invalid amount of arguments entered.");
System.exit(status: 0);
}
ComboLock combo = new ComboLock(Integer.parseInt(inputs[0]),Integer.parseInt(inputs[1]),
Integer.parseInt(inputs[2]));
do {
System.out.print("Enter how many ticks to turn to the right: ");
combo.turnRight(in.nextInt());
System.out.print("Enter how many ticks to turn to the left: ");
combo.turnLeft(in.nextInt());
System.out.print("Enter how many ticks to turn to the right: ");
combo.turnRight(in.nextInt());
P8_1 › main()
Run:
P8_1
/Library/Java/JavaVirtualMachines/jdk1.8.0_91.jdk/Contents/Home/bin/java ... <1 internal call>
Enter 3 numbers between 0 and 39 for lock combo, for example, 10 15 30: 10 15 30
Enter how many ticks to turn to the right: 30
Enter how many ticks to turn to the left: 5
Enter how many ticks to turn to the right: 25
Lock open!
Process finished with exit code 0
Terminal
0: Messages
4: Run
6: TODO
Event Log
Build completed successfully in 2 s 252 ms (moments ago)
10:1
LF
UTF-8
4 spaces