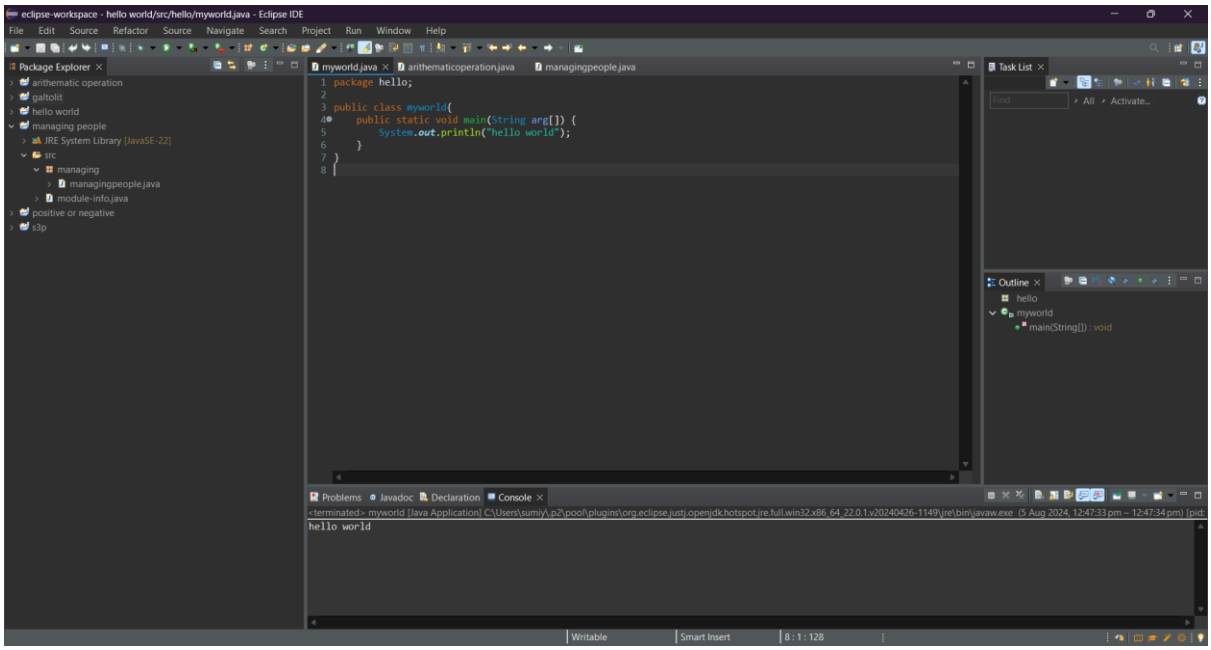
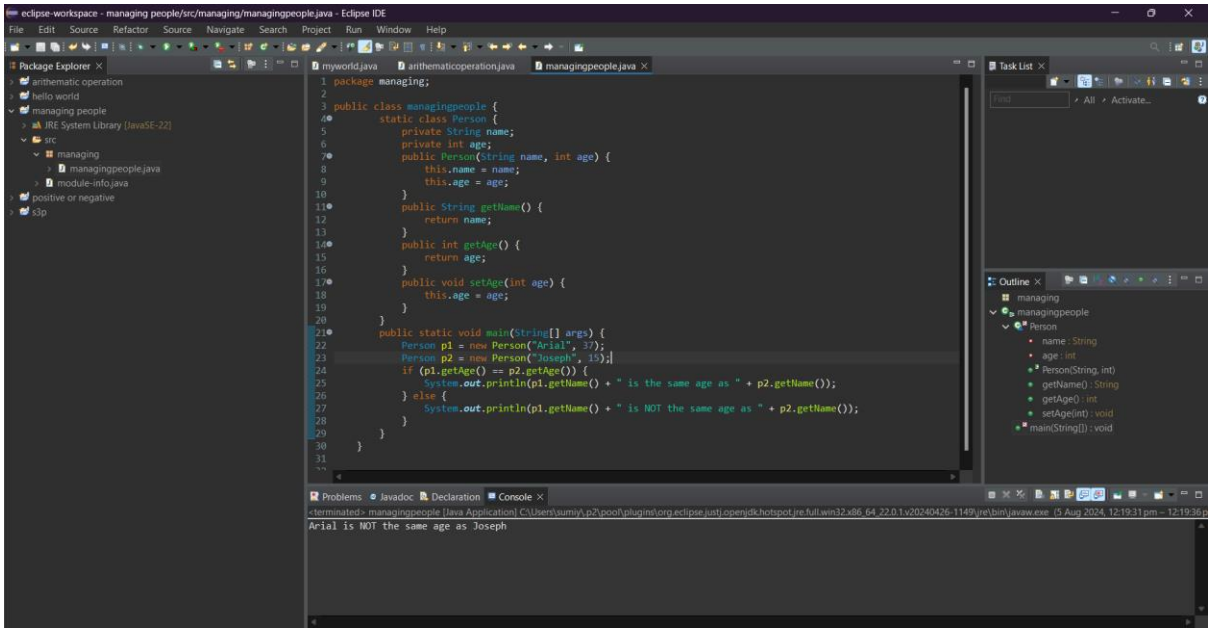
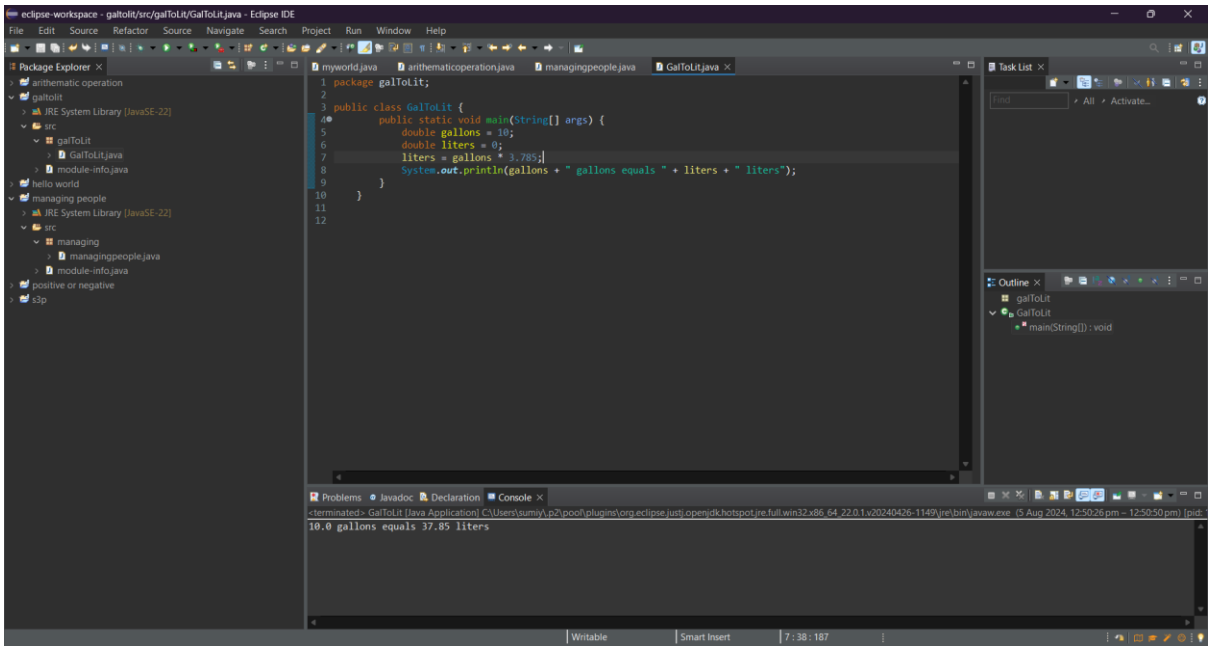
JF Section 4.2 practice:



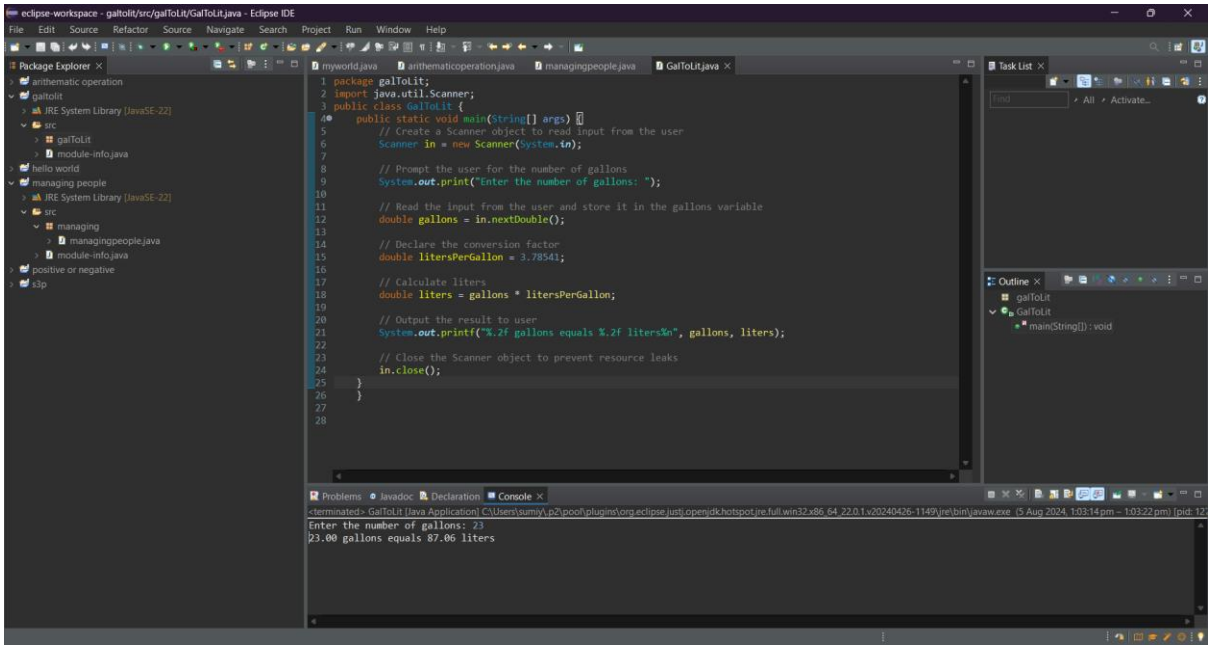
1.



2.


eclipse-workspace - galtolit/src/galToLit/GalToLit.java - Eclipse IDE
File Edit Source Refactor Source Navigate Search Project Run Window Help
Package Explorer
arithematic operation
galtolit
JRE System Library [JavaSE-22]
src
galToLit
GalToLit.java
module-info.java
hello world
managing people
JRE System Library [JavaSE-22]
src
managing
managingpeople.java
module-info.java
positive or negative
s3p
myworld.java
arithematicoperation.java
managingpeople.java
GalToLit.java
1 package galToLit;
2
3 public class GalToLit {
4 public static void main(String[] args) {
5 double gallons = 10;
6 double liters = 0;
7 liters = gallons * 3.785;
8 System.out.println(gallons + " gallons equals " + liters + " liters");
9 }
10 }
11
12
Task List
Outline
galToLit
GalToLit
main(String[]) : void
Problems Javadoc Declaration Console
<terminated> GalToLit [Java Application] C:\Users\sumiy\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_22.0.1.v20240426-1149\jre\bin\javaw.exe (5 Aug 2024, 12:50:26 pm – 12:50:50 pm) [pid:
10.0 gallons equals 37.85 liters
Writable
Smart Insert
7 : 38 : 187

3.


eclipse-workspace - galtolit/src/galToLit/GalToLit.java - Eclipse IDE
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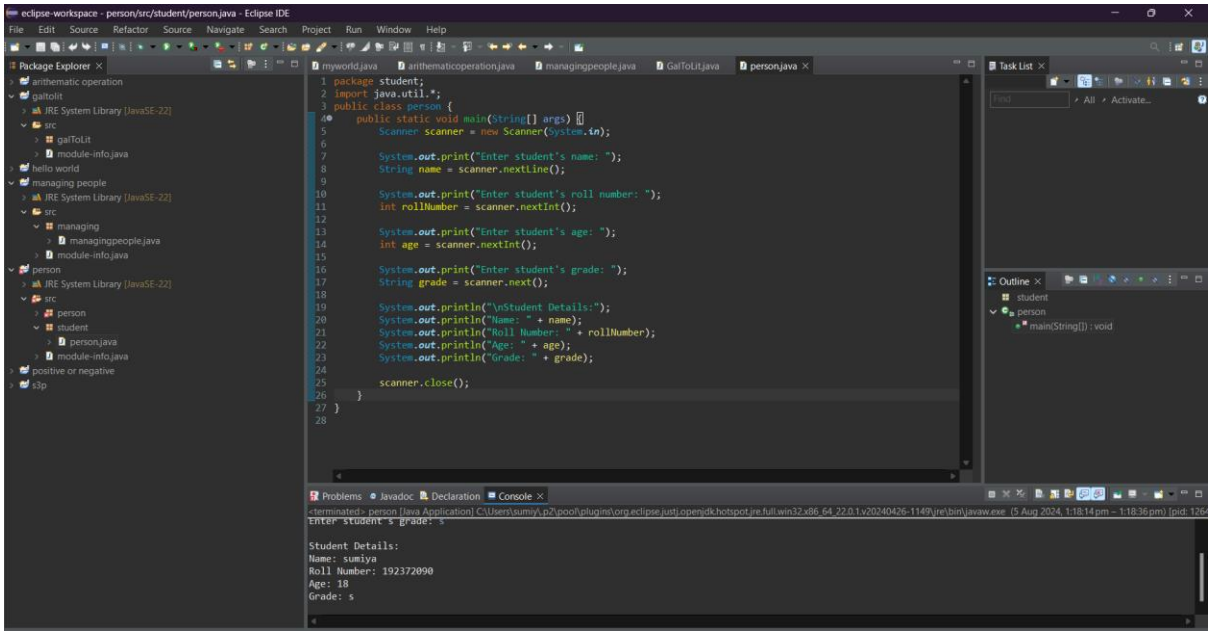
hello world
managing people
JRE System Library [JavaSE-22]
src
managing
managingpeople.java
module-info.java
positive or negative
s3p
myworld.java
arithematicoperation.java
managingpeople.java
GalToLit.java
1 package galToLit;
2 import java.util.Scanner;
3 public class GalToLit {
4 public static void main(String[] args) {
5 // Create a Scanner object to read input from the user
6 Scanner in = new Scanner(System.in);
7
8 // Prompt the user for the number of gallons
9 System.out.print("Enter the number of gallons: ");
10
11 // Read the input from the user and store it in the gallons variable
12 double gallons = in.nextDouble();
13
14 // Declare the conversion factor
15 double litersPerGallon = 3.78541;
16
17 // Calculate liters
18 double liters = gallons * litersPerGallon;
19
20 // Output the result to user
21 System.out.printf("%.2f gallons equals %.2f liters%n", gallons, liters);
22
23 // Close the Scanner object to prevent resource leaks
24 in.close();
25 }
26 }
27
28
Task List
Outline
galToLit
GalToLit
main(String[]) : void
Problems Javadoc Declaration Console
<terminated> GalToLit [Java Application] C:\Users\sumiy\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_22.0.1.v20240426-1149\jre\bin\javaw.exe (5 Aug 2024, 1:03:14 pm – 1:03:22 pm) [pid:
Enter the number of gallons: 23
23.00 gallons equals 87.06 liters

4.


eclipse-workspace - person/src/student/person.java - Eclipse IDE
File Edit Source Refactor Source Navigate Search Project Run Window Help
Package Explorer
arithematic operation
gaitolit
JRE System Library [JavaSE-22]
src
gaiToLit
module-info.java
hello world
managing people
JRE System Library [JavaSE-22]
src
managing
managingpeople.java
module-info.java
person
JRE System Library [JavaSE-22]
src
person
student
person.java
module-info.java
positive or negative
s3p
myworld.java
arithematicoperation.java
managingpeople.java
GaiToLit.java
person.java
1 package student;
2 import java.util.*;
3 public class person {
4 public static void main(String[] args) {
5 Scanner scanner = new Scanner(System.in);
6
7 System.out.print("Enter student's name: ");
8 String name = scanner.nextLine();
9
10 System.out.print("Enter student's roll number: ");
11 int rollNumber = scanner.nextInt();
12
13 System.out.print("Enter student's age: ");
14 int age = scanner.nextInt();
15
16 System.out.print("Enter student's grade: ");
17 String grade = scanner.next();
18
19 System.out.println("\nStudent Details:");
20 System.out.println("Name: " + name);
21 System.out.println("Roll Number: " + rollNumber);
22 System.out.println("Age: " + age);
23 System.out.println("Grade: " + grade);
24
25 scanner.close();
26 }
27 }
28
Task List
Outline
student
person
main(String[]) : void
Problems Javadoc Declaration Console
<terminated> person [Java Application] C:\Users\sumiy\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_22.0.1.v20240426-1149\jre\bin\javaw.exe (5 Aug 2024, 1:18:14 pm – 1:18:36 pm) [pid: 126
Enter student's grade: s
Student Details:
Name: sumiya
Roll Number: 192372090
Age: 18
Grade: s