

Name:

Department:

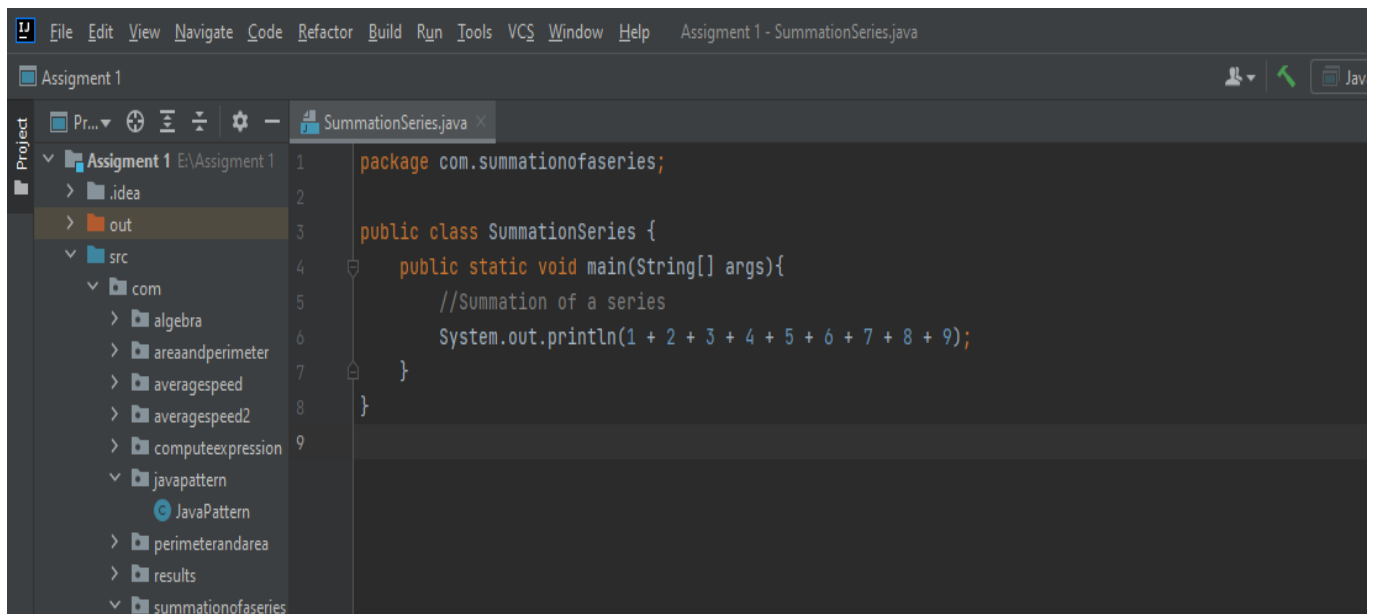
Level:

Email:

Assignment 1.

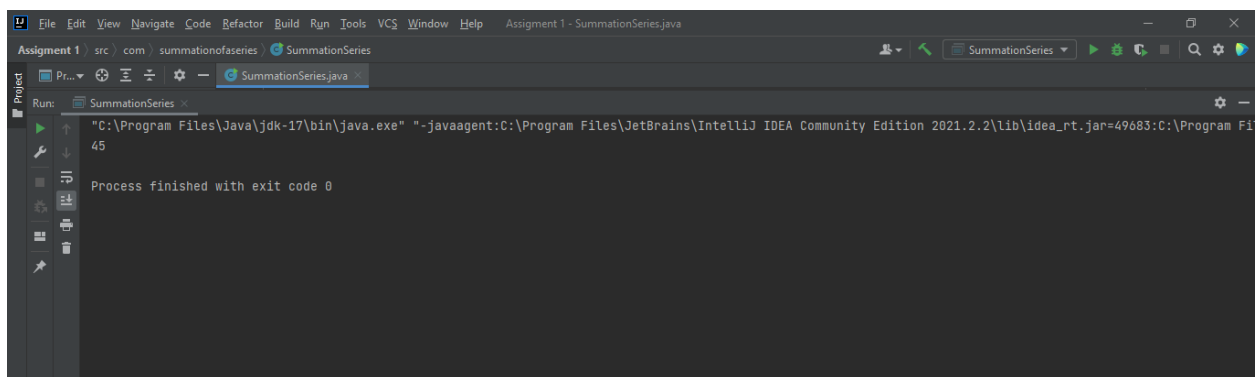
Summation series

1.6



The screenshot shows the IntelliJ IDEA IDE with the file 'SummationSeries.java' open. The project structure on the left includes 'Assignment 1' with subfolders like 'out', 'src', 'com', 'algebra', 'areaandperimeter', 'averagespeed', 'averagespeed2', 'computeexpression', 'javapattern', 'JavaPattern', 'perimeterandarea', 'results', and 'summationofaseries'. The code in the editor is as follows:

```
1 package com.summationofaseries;
2
3 public class SummationSeries {
4     public static void main(String[] args){
5         //Summation of a series
6         System.out.println(1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9);
7     }
8 }
9
```



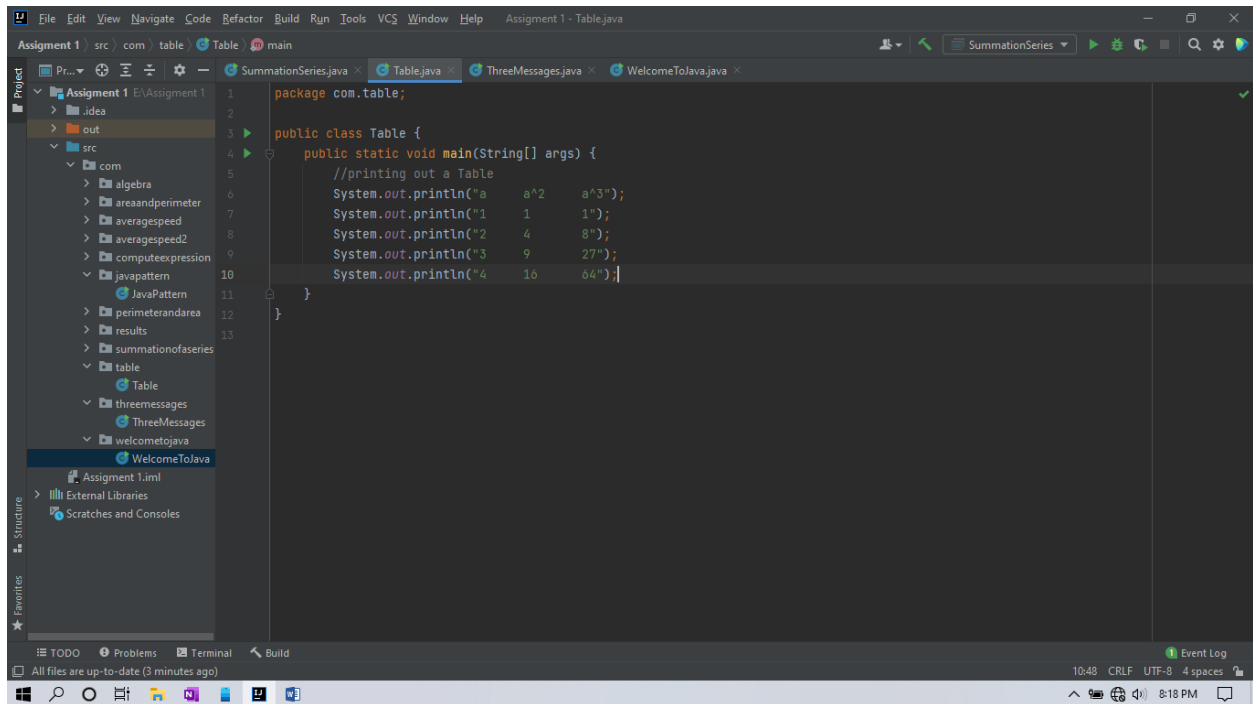
The screenshot shows the Run console in IntelliJ IDEA. The command executed is:

```
"C:\Program Files\Java\jdk-17\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.2.2\lib\idea_rt.jar=49683:C:\Program Files\Java\jdk-17\bin" -Didea.config.path=C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.2.2\conf -Didea.copyright.notification=false -Didea.log.level=INFO -Didea.paths.selector=IntelliJ-2021.2 -Didea.platform.prefix=JDK -Didea.vendor.id=IntelliJ -Djava.awt.headless=true -Djava.class.path=C:\Program Files\Java\jdk-17\lib\java.class.path
```

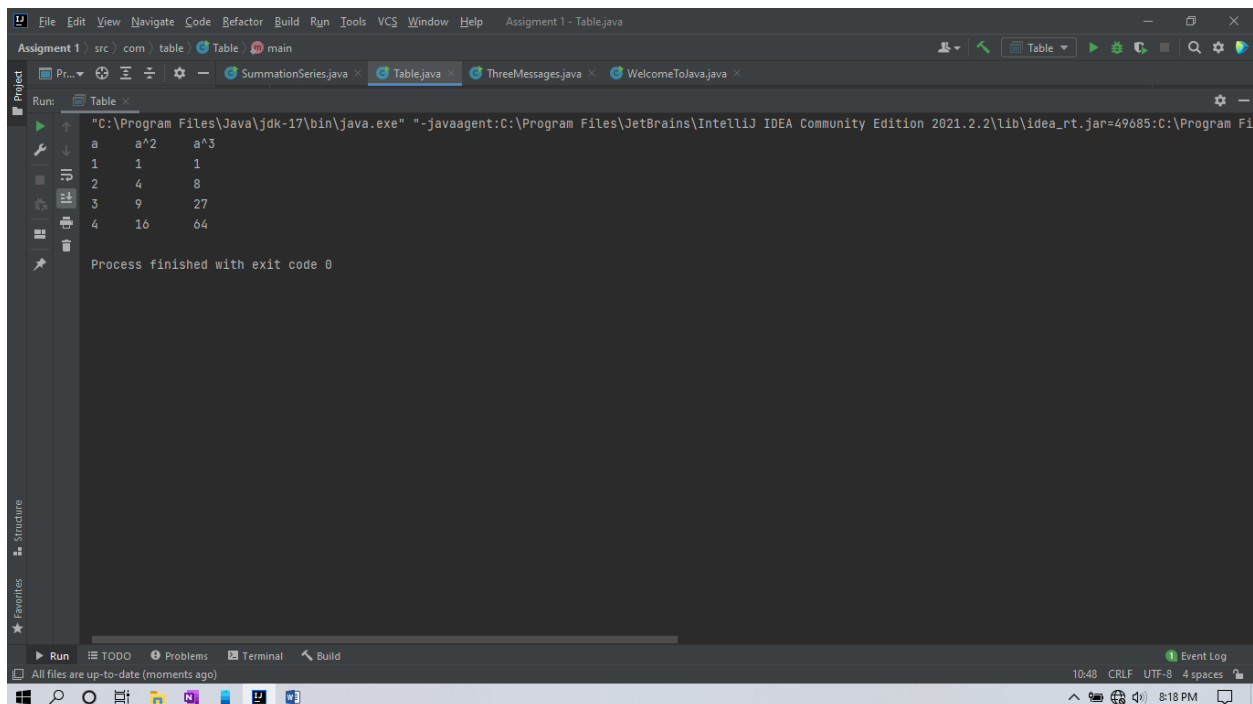
The output shows:

```
Process finished with exit code 0
```

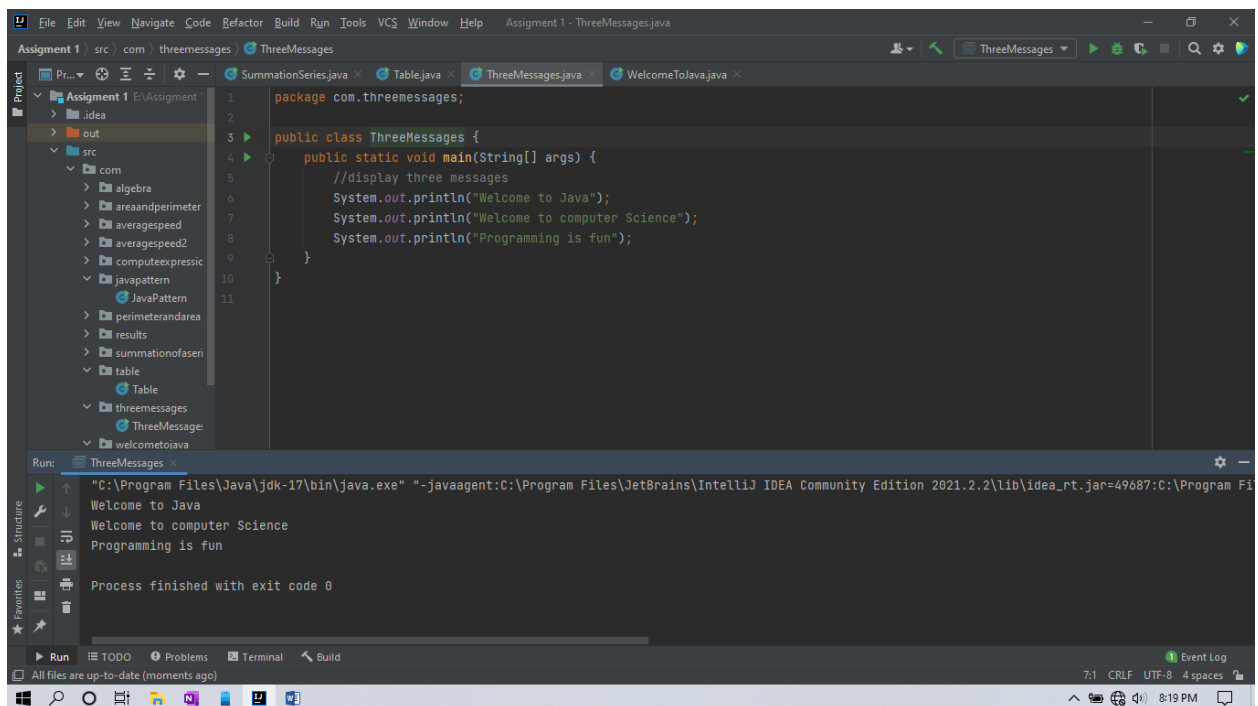
1.4



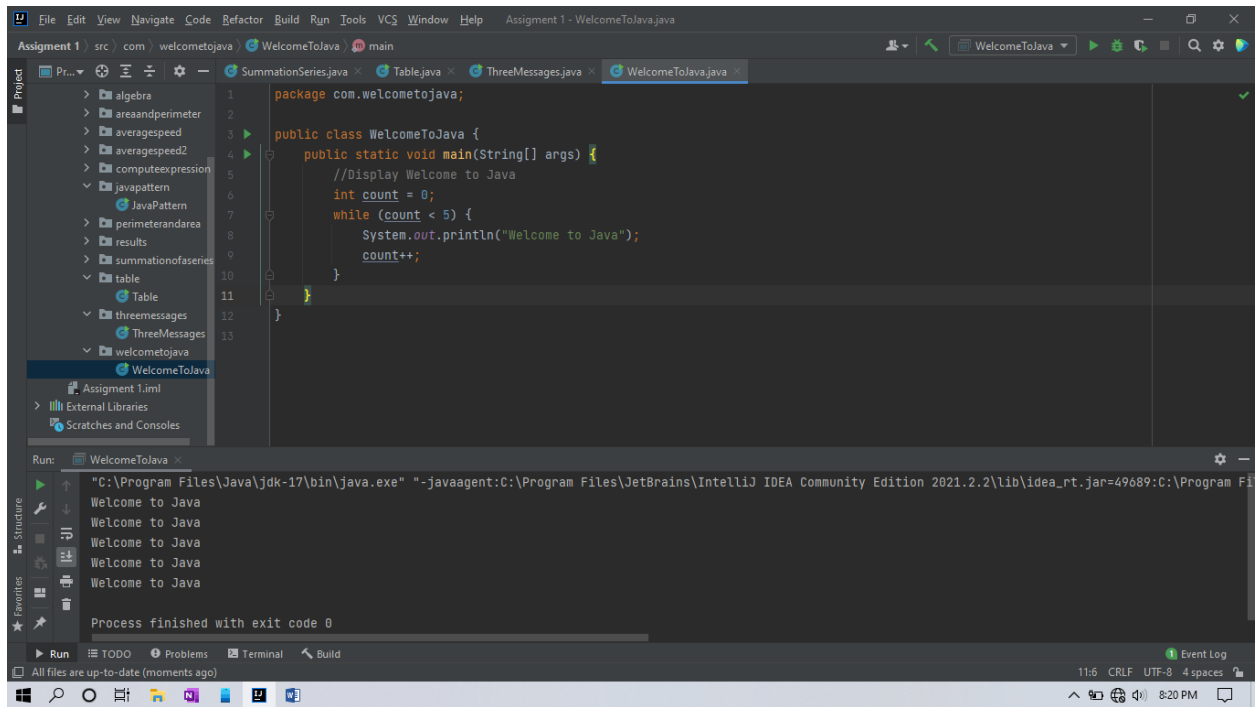
1.4



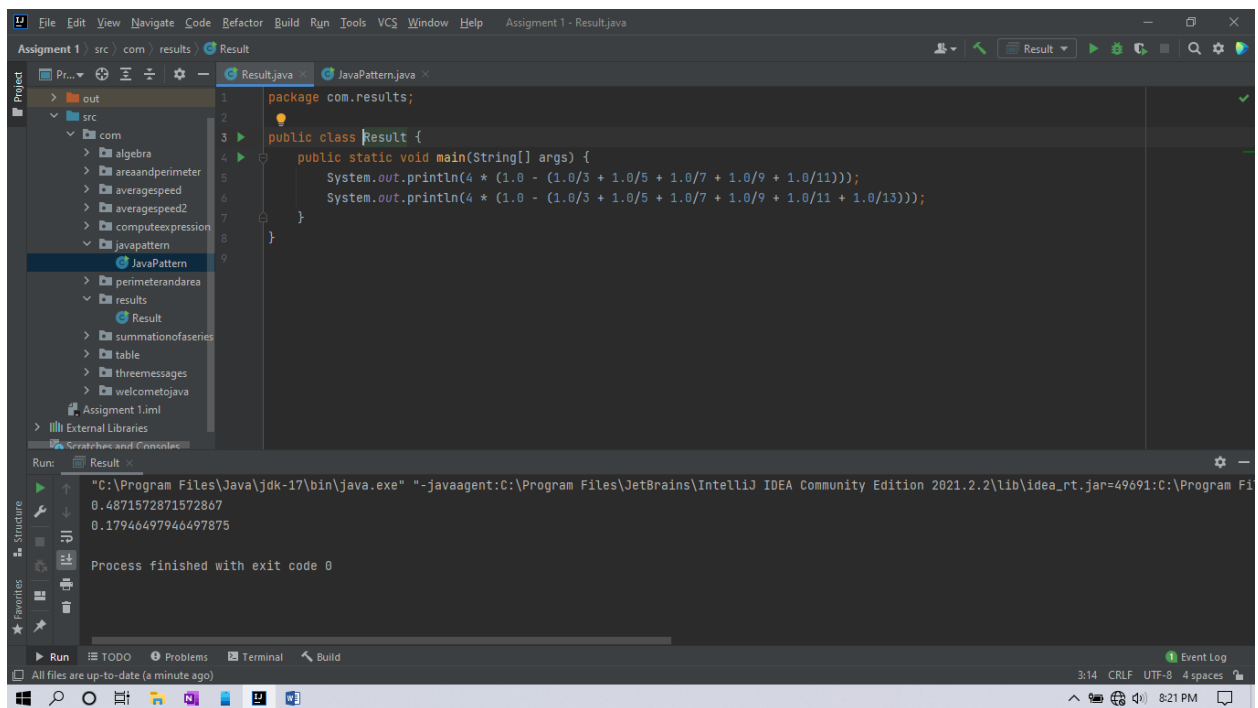
1.1



1.2



1.7



The screenshot displays the IntelliJ IDEA IDE interface. The main editor window shows the `Result.java` file with the following code:

```
1 package com.results;
2
3 public class Result {
4     public static void main(String[] args) {
5         System.out.println(4 * (1.0 - (1.0/3 + 1.0/5 + 1.0/7 + 1.0/9 + 1.0/11)));
6         System.out.println(4 * (1.0 - (1.0/3 + 1.0/5 + 1.0/7 + 1.0/9 + 1.0/11 + 1.0/13)));
7     }
8 }
9
```

The left sidebar shows the project structure with the following folders:

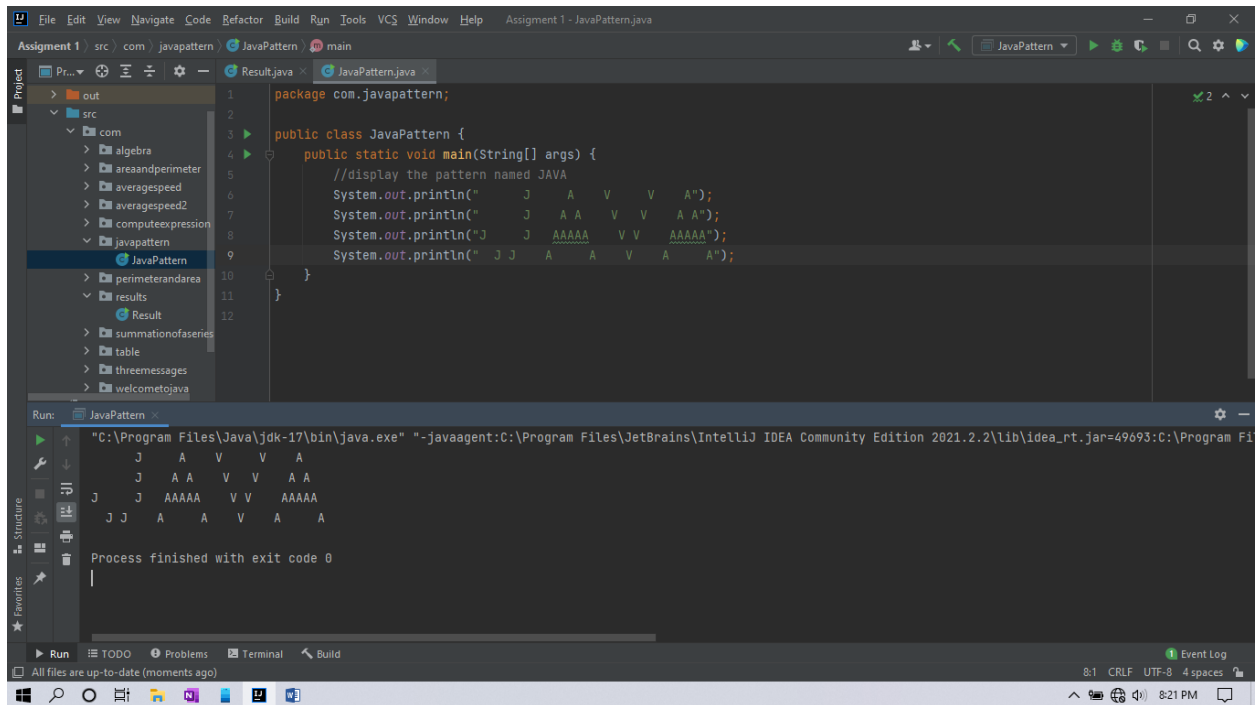
- out
- src
 - com
 - algebra
 - areaandperimeter
 - averagespeed
 - averagespeed2
 - computeexpression
 - javapattern
 - JavaPattern
 - perimeterandarea
 - results
 - Result
 - summationofseries
 - table
 - threemessages
 - welcometojava

The bottom panel shows the Run output for the `Result` class:

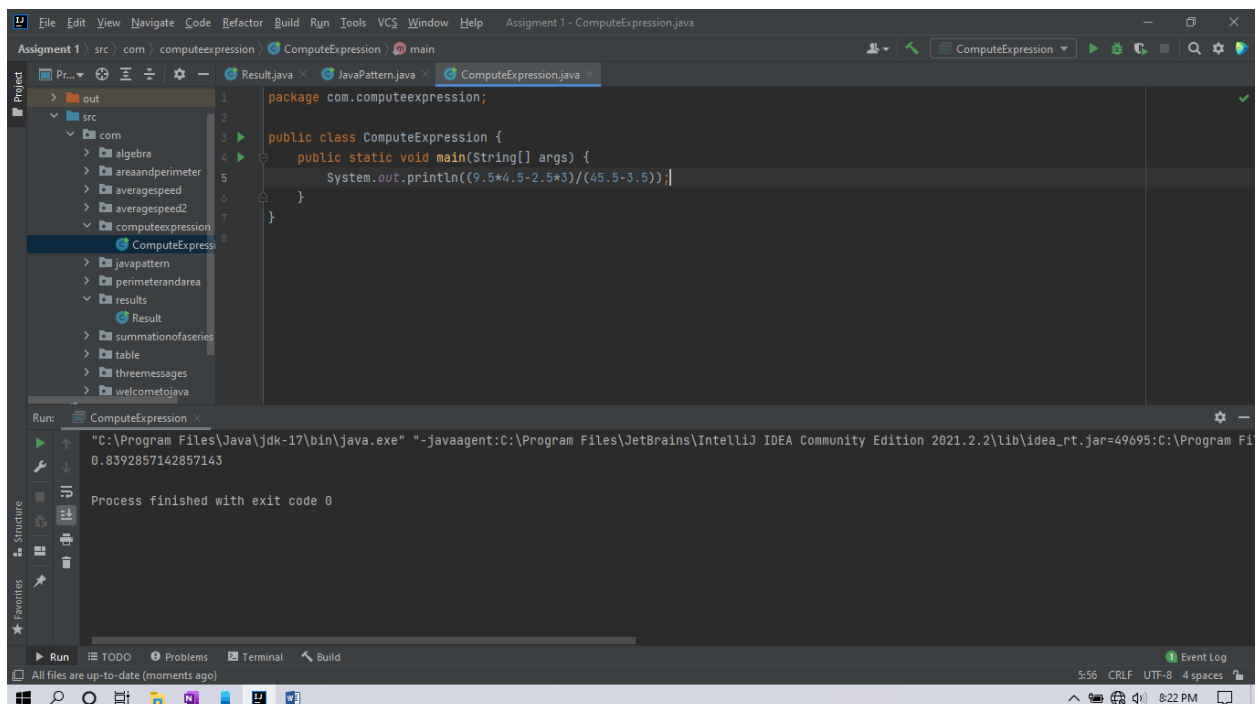
```
Run: Result
"C:\Program Files\Java\jdk-17\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.2.2\lib\idea_rt.jar=49691:C:\Program Fi
0.4871572871572867
0.17946497946497875
Process finished with exit code 0
```

The status bar at the bottom indicates the file encoding is UTF-8 and the line ending is CRLF.

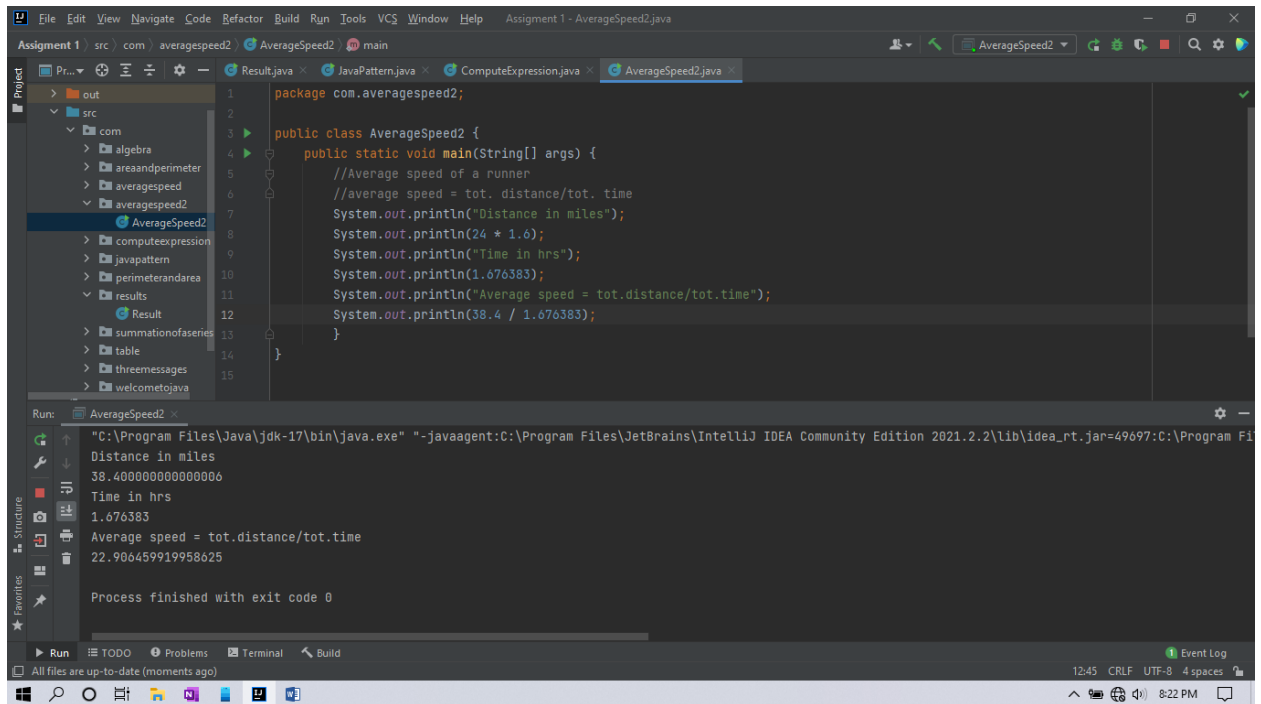
1.3



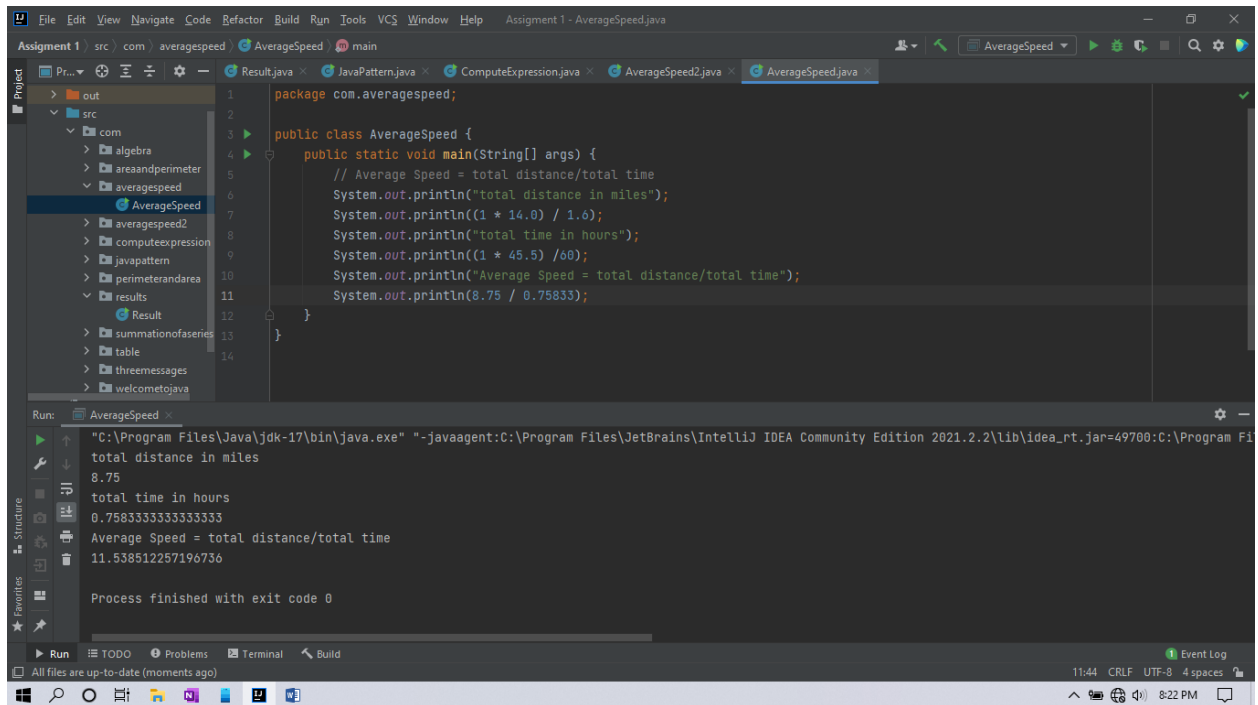
1.5



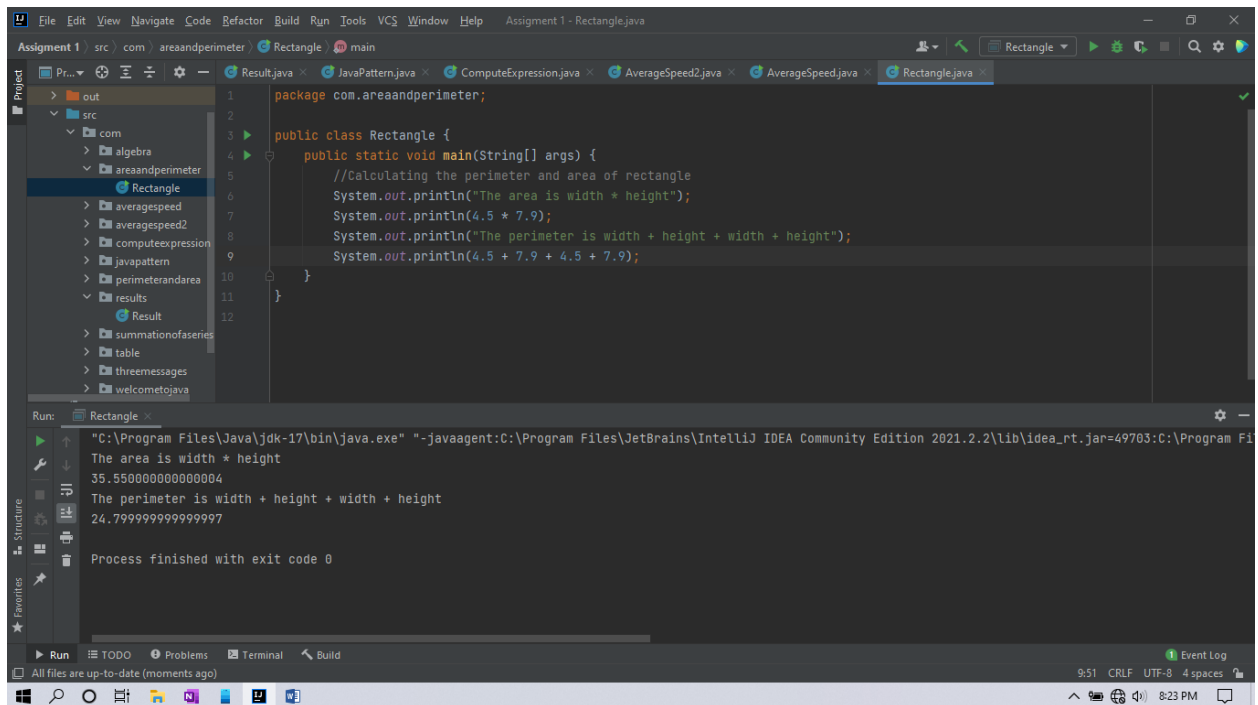
1.11



1.10



1.9



1.13

