

Assignment Report for Assignment 01

Course and Section	215.28
Assignment Name	Assignment 01
Due Date and Time	09-01-2024 @ 11:55 PM
First Name and Last Name	Miguel Antonio Logarta
SFSU Email Account	923062683@sfsu.edu
First Name and Last Name of Teammate	N/A
SFSU Email Account of Teammate	N/A

**PART A****Question Description and Analysis:**

This part of the assignment asks me to:

1. Read and reply to the welcome message from the lecturer from the class.
2. Confirm that I will use my SFSU email to for contacting my DL, advisor, lecturer, and other team members.
3. Read and confirm that I have read, understood, and agreed to the Guidelines for All Assignments.
4. Read and confirm that I have read, understood, and agreed to the Course Policy on Student Conduct and Academic Honesty.

Answer:

1. See screenshots
2. .
 - a. I confirm that I will use my SFSU email account (923062683@sfsu.edu) to contact my discussion leader, advisor, lecturer, and other CSC 215 team members

so that my emails will not be filtered. I will not use the Canvas Inbox since the messages will be lost.

- b. When contacting my discussion leader, advisor, lecturer, and other CSC 215 team members via email, to get an answer in time
 - I will start my email subject line with “CSC 215.TA” or “CSC 215.DA”
 - I will identify myself clearly and provide the context/situation precisely to the receiver.
 - c. I confirm that if I do not get an answer within 24 hours, I will check if I sent the email properly. I will kindly resend my email message if either case happens.
3. YES. This is to confirm that I have carefully read, understood, and agreed to the Guidelines for All Assignments, the Assignment Report Template, and the Graders’ Grading Expectations and Policies which were posted on the File Manager. I will strictly follow all these guidelines. I will also carefully read, understand, and agree to any additional guidelines that the lecturer and my grader will provide. I will strictly follow all the instructions.
- I have carefully read, understood, and agreed to the Guidelines for All Assignments, the Assignment Report Template, and the Grader’s Grading Expectations and Policies which were posted on the file manager. I will strictly follow all current and future guidelines.
4. YES. This is to confirm that I have carefully read, understood, and agreed to the Course Policy on Student Conduct and Academic Honesty which was posted along with the course syllabus on the File Manager. I am acutely aware that the policy includes, but is not limited to, the San Francisco State University’s Code of Student Conduct (at <https://conduct.sfsu.edu/standards>), the Computer Science Department’s Student Policies

(at <https://cs.sfsu.edu/student-policies>), and the honor Code of this course (at http://csc215.ducta.net/00-README-StudentConduct_academicHonesty.pdf). I will strictly follow all the rules.

I confirm that I have carefully read, understood, and agreed to the Course Policy on Student Conduct and Academic Honesty which was posted along with the course syllabus on the file manager, I am acutely aware that the policy includes, but is not limited to the SFSU's Code of Student Conduct, The CS Department's Student Policies, and the Honor Code of the course. I will honor and strictly follow all the rules.

Screenshots of Outputs and Explanation:

Replying to the Professor's welcome message:

> Discussions

.

- URL: <https://csc215.ducta.net>

Have a successful semester!

Go, TEAM!!!

See you in class,
Duc

Reply



Miguel Antonio Logarta



Aug 30 2:37pm

Hello Professor Duc Ta,

I look forward to having a great semester with you and the rest of the class!

↩ Reply | 👍 Like | ✉ Mark as Unread



Gavin Wren



Aug 30 2:34pm

PART B

Question Description and Analysis:

This part of the assignment asks me to log in to the CSC 215 File Manager and locate and screenshot the directories of “Code_References”, “Tutorials”, and “WEEK-01”

Answer:

Screenshots below

Screenshots of Outputs and Explanation:

Code_References directory

CSC215/Code_Reference:

IDX	FILE NAME	TYPE	SIZE	LAST MODIFIED	PERMS
1	07_Single_Dimensional_Arrays/	DIR	0.00 MB	20:28 08-17-24	755
2	08_Multi_Dimensional_Array/	DIR	0.00 MB	20:28 08-17-24	755
3	09_Objects_and_Classes/	DIR	0.00 MB	20:28 08-17-24	755
4	11_Inheritance_and_Polymorphism/	DIR	0.00 MB	20:28 08-17-24	755
5	12_ExceptionHandling/	DIR	0.00 MB	20:27 08-17-24	755
6	12_FileInputOutput/	DIR	0.00 MB	20:27 08-17-24	755
7	13_AbstractClasses_and_Interface/	DIR	0.00 MB	20:27 08-17-24	755
8	14_AdvancedTopics/	DIR	0.00 MB	20:27 08-17-24	755
9	15_AdvancedOOP_SealedClasses/	DIR	0.00 MB	20:27 08-17-24	755
10	16_AdvancedOOP_Generics_SpecialAccess_Compare/	DIR	0.00 MB	20:27 08-17-24	755
11	CSC101_DucTa/	DIR	0.00 MB	20:24 08-17-24	755

Tutorials directory

CSC215/Tutorials:

IDX	FILE NAME	TYPE	SIZE	LAST MODIFIED	PERMS
1	Autograded_Practice_Problems_HowToUse_Tutorial.pdf	File	0.75 MB	20:31 08-17-24	644
2	Autograded_Practice_Problems_Tutorial.pdf	File	0.79 MB	20:31 08-17-24	644
3	CodeExamples_on_theFileManager_HowToUse_Tutorial.pdf	File	0.93 MB	20:31 08-17-24	644
4	Coding_Examples_Tutorial.pdf	File	0.52 MB	20:31 08-17-24	644
5	Debugging_HowToDebug_Tutorial.pdf	File	0.52 MB	20:31 08-17-24	644
6	Debugging_Tutorial.pdf	File	0.35 MB	20:31 08-17-24	644
7	IntelliJ_Installation_2023Spring.pdf	File	1.63 MB	20:31 08-17-24	644
8	IntelliJ_Installation_Windows.pdf	File	2.66 MB	20:31 08-17-24	644
9	IntelliJ_Installation_macOS.pdf	File	2.51 MB	20:31 08-17-24	644
10	IntelliJ_KeyMap_ReferenceCard.pdf	File	0.06 MB	20:31 08-17-24	644
11	Java_Installation_Windows.pdf	File	0.71 MB	20:31 08-17-24	644
12	Java_Installation_macOS.pdf	File	0.94 MB	20:31 08-17-24	644
13	NetBeans-IDE-FieldGuide-CH5-Debugging.pdf	File	0.54 MB	20:31 08-17-24	644
14	NetBeans_ApacheNetBeansIncubatingVersion11Features.pdf	File	0.87 MB	20:31 08-17-24	644
15	NetBeans_Installation_QuickOpener_Plugin.pdf	File	2.17 MB	20:31 08-17-24	644
16	NetBeans_Installation_Windows.pdf	File	2.67 MB	20:31 08-17-24	644
17	NetBeans_Installation_macOS.pdf	File	3.51 MB	20:31 08-17-24	644
18	NetBeans_JavaBuildTools_ANTvsMARVENvsGRADLE.pdf	File	2.07 MB	20:31 08-17-24	644
19	NetBeans_NetBeans_version11_ANTvsMARVENvsGRADLE.pdf	File	1.97 MB	20:31 08-17-24	644
20	NetBeans_QuickOpener-1.3.1.nbm	File	0.82 MB	20:30 08-17-24	644
21	NetBeans_QuickOpener-1.5.0.nbm	File	0.82 MB	20:30 08-17-24	644
22	Netbeans-Shortcuts-80.pdf	File	0.09 MB	20:31 08-17-24	644
23	Save_as_PDF_GoogleDocs.html	File	0.00 MB	20:30 08-17-24	644
24	Save_as_PDF_MicrosoftWord.html	File	0.00 MB	20:30 08-17-24	644
25	Save_as_PDF_OpenOffice.html	File	0.00 MB	20:30 08-17-24	644
26	Screenshot_Windows.html	File	0.00 MB	20:30 08-17-24	644
27	Screenshot_macOS.html	File	0.00 MB	20:30 08-17-24	644
28	ShowFileExtension_Windows.html	File	0.00 MB	20:30 08-17-24	644
29	ShowFileExtension_macOS.html	File	0.00 MB	20:30 08-17-24	644
30	Zip_and_Unzip_Files_Windows.html	File	0.00 MB	20:30 08-17-24	644
31	Zip_and_Unzip_Files_macOS.html	File	0.00 MB	20:30 08-17-24	644

WEEK-01 directory

CSC215/WEEK-01:

IDX	FILE NAME	TYPE	SIZE	LAST MODIFIED	PERMS
1	00-Guidelines_for_All_Assignments.pdf	File	0.24 MB	23:42 08-20-24	644
2	01-Graders_Grading_Expectations_and_Policies.pdf	File	0.23 MB	23:42 08-20-24	644
3	01-HELLO_CSC215.pdf	File	5.99 MB	23:42 08-20-24	644
4	02-QUESTIONS_WhoToContact.pdf	File	0.51 MB	23:42 08-20-24	644
5	2023Fall-Calendar__IMPORTANT__DateAndDeadlines.html	File	0.00 MB	23:42 08-20-24	644
6	CSC215_ProgrammingStyleDocumentationGuidelines.pdf	File	0.17 MB	23:42 08-20-24	644
7	GoodReads_BecomingABetterProgrammer.pdf	File	23.04 MB	23:42 08-20-24	644
8	GoodReads_CreativityNeedsDiscipline.pdf	File	6.12 MB	23:42 08-20-24	644
9	GoodReads_DontLetPerfectionBeTheEnemyOfProductivity.pdf	File	1.03 MB	23:42 08-20-24	644
10	GoodReads_FindingTimeToCode.pdf	File	0.56 MB	23:42 08-20-24	644
11	GoodReads_GetBetterAtGettingBetter.pdf	File	1.34 MB	23:42 08-20-24	644
12	GoodReads_HowToManagMyTimeForCodingPractice.pdf	File	1.07 MB	23:42 08-20-24	644
13	GoodReads_How_to_Actually_Start_the_Task_You_Have_Been_Avoiding.pdf	File	0.68 MB	23:42 08-20-24	644
14	GoodReads_How_to_Stop_Procrastinating.pdf	File	0.59 MB	23:42 08-20-24	644
15	GoodReads_MakeLearningALifelongHabit.pdf	File	0.88 MB	23:42 08-20-24	644
16	GoodReads_ManagingYourTimeAsABeginnerCollegeStudent.pdf	File	2.54 MB	23:42 08-20-24	644

CSC 210 File Manager

CSC210 File Manager:

IDX	FILE NAME	TYPE	SIZE	LAST MODIFIED	PERMS
1	---WE_DID_IT---.txt	File	0.00 MB	09:33 06-06-23	644
2	00-README-StudentConduct_AcademicHonesty.pdf	File	0.15 MB	15:01 11-16-22	604
3	00-README.txt	File	0.00 MB	08:47 12-14-22	604
4	01-HELLO_CSC210.pdf	File	5.60 MB	08:09 01-26-23	604
5	02-QUESTIONS_WhoToContact.pdf	File	0.50 MB	06:55 01-13-23	604
6	2023Spring-CSC210.01_MoWeFr_1100AM_TA_SYLLABUS.pdf	File	0.28 MB	15:21 01-25-23	604
7	2023Spring-CSC210.02_MoWeFr_1200PM_DA_SYLLABUS.pdf	File	0.28 MB	15:21 01-25-23	604
8	2023Spring-CSdept_2017Summer_CSC210Desc.pdf	File	0.10 MB	10:44 12-07-22	604
9	2023Spring-CSdept_AddendumToCourseSyllabi.pdf	File	0.05 MB	10:44 12-07-22	604
10	2023Spring-Calendar_Academic.html	File	0.00 MB	06:12 11-30-22	604
11	2023Spring-Calendar_Final_Examination.html	File	0.00 MB	06:13 11-30-22	604
12	2023Spring-RecommendedServices.html	File	0.00 MB	06:09 11-30-22	604
13	2023Spring-Registrar_DateAndDeadlines.html	File	0.00 MB	06:07 11-30-22	604
14	Archive_CSC210_2019_Fall/	DIR	0.00 MB	13:33 10-26-22	705
15	Assignments/	DIR	0.00 MB	22:06 04-19-23	705
16	Chapter_Slides/	DIR	0.00 MB	10:44 10-15-22	705

Previous CSC 215 File Manager

CSC215-2024SPRING File Manager:

IDX	FILE NAME	TYPE	SIZE	LAST MODIFIED	PERMS
1	---WE_DID_IT---.txt	File	0.00 MB	07:32 05-28-24	644
2	00-CSC215_OrganizationalStructure_and_Communication_2024_Spring.png	File	0.27 MB	08:07 01-26-24	644
3	00-README-AddingCourse_and_CoursePrerequisites.pdf	File	0.20 MB	10:45 01-26-24	644
4	00-README-StudentConduct_AcademicHonesty.pdf	File	0.15 MB	21:07 01-03-24	644
5	00-README.txt	File	0.00 MB	21:06 01-03-24	644
6	01-HELLO_CSC215.pdf	File	5.99 MB	08:39 01-27-24	644
7	02-QUESTIONS_WhoToContact.pdf	File	0.51 MB	11:46 01-04-24	644
8	03-JAVA-Previous_CSC215_2023_Fall.html	File	0.00 MB	21:12 01-03-24	644
9	03-JAVA-StrongFoundation_CSC210.html	File	0.00 MB	21:12 01-03-24	644
10	2024Spring-AdvisingForCSC215.html	File	0.00 MB	21:18 01-03-24	644
11	2024Spring-CSC215_MoWe_0930AM_Section_TA_SYLLABUS.pdf	File	0.28 MB	08:44 02-03-24	644
12	2024Spring-CSC215_MoWe_1230PM_Section_DA_SYLLABUS.pdf	File	0.28 MB	08:44 02-03-24	644
13	2024Spring-CSdept_AddendumToCourseSyllabi.pdf	File	0.05 MB	21:21 01-03-24	644
14	2024Spring-Calendars_Academic.html	File	0.00 MB	21:20 01-03-24	644
15	2024Spring-Calendars__IMPORTANT__DateAndDeadlines.html	File	0.00 MB	21:18 01-03-24	644
16	2024Spring_RecommendedServices.html	File	0.00 MB	21:14 01-03-24	644

PART C**Question Description and Analysis:**

This part of the assignment asks me to install the Java JDK, the IntelliJ IDE, and create an example Java file with IntelliJ

Answer:

Since I am using Linux, I had to look online for instructions on how to install JDK and the IDE.

Here are the screenshots below.

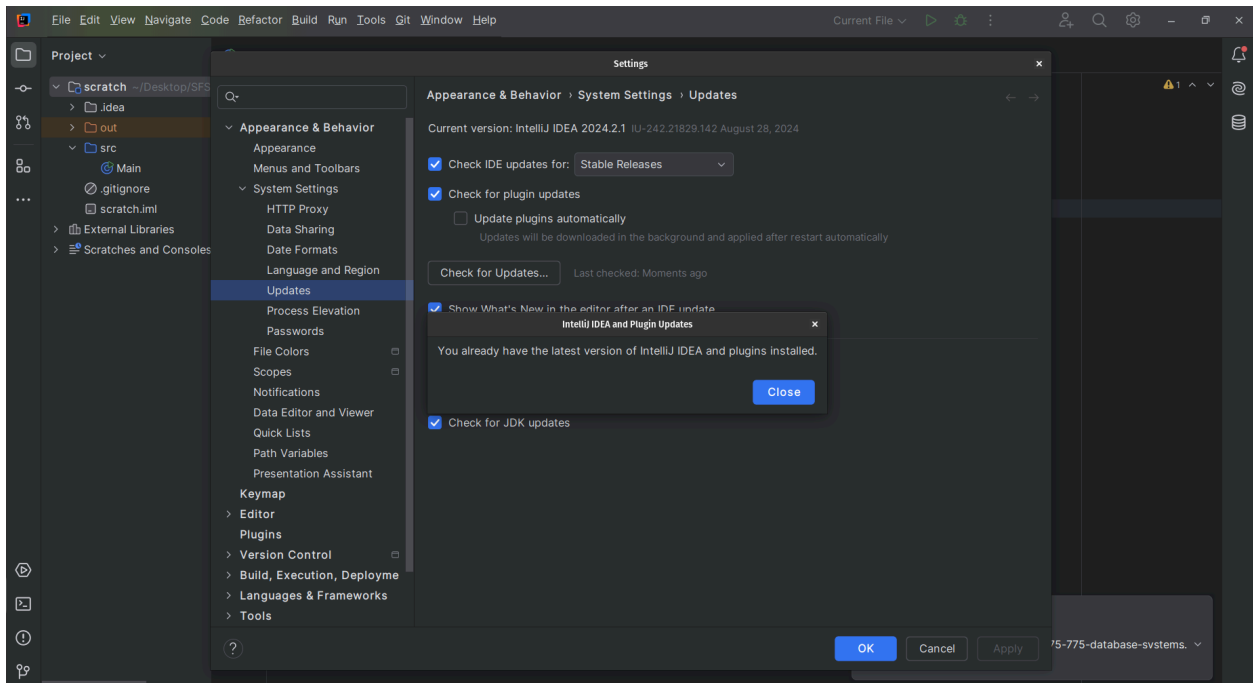
Screenshots of Outputs and Explanation:

Latest Version of Oracle's Java JDK installed on Linux. I downloaded the .deb file, installed with dpkg, then set the JAVA_HOME variable. The output shows the latest version 22.0.2 and a "java -h" command to show that it is working.

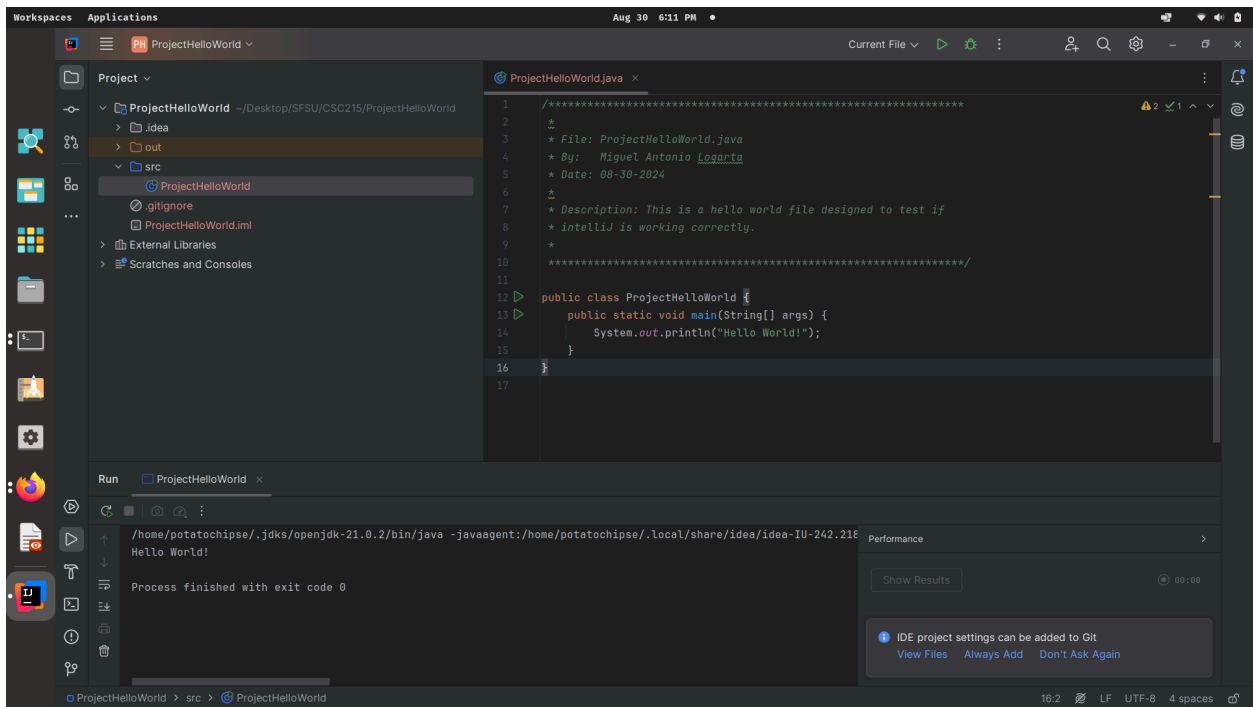
```
[potatochipse@pop-os] - [~/Downloads] - [4513]
[[$] java --version [17:02:54]
java 22.0.2 2024-07-16
[potatochipse@pop-os] - [/usr/lib/jvm/jdk-22.0.2-oracle-x64] - [4525]
[[$] ls
bin conf include jmods legal lib LICENSE man README release
[potatochipse@pop-os] - [/usr/lib/jvm/jdk-22.0.2-oracle-x64] - [4526]
[[$] java --version
java 22.0.2 2024-07-16
Java(TM) SE Runtime Environment (build 22.0.2+9-70)
Java HotSpot(TM) 64-Bit Server VM (build 22.0.2+9-70, mixed mode, sharing)
[potatochipse@pop-os] - [/usr/lib/jvm/jdk-22.0.2-oracle-x64] - [4527]
[[$] java -h
Usage: java [options] <mainclass> [args...]
        (to execute a class)
or java [options] -jar <jarfile> [args...]
        (to execute a jar file)
or java [options] -m <module>[/<mainclass>] [args...]
   java [options] --module <module>[/<mainclass>] [args...]
        (to execute the main class in a module)
or java [options] <sourcefile> [args]
        (to execute a source file program)

[potatochipse@pop-os] - [/usr/lib/jvm/jdk-22.0.2-oracle-x64] - [4530]
[[$] cat /etc/environment
PATH="/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin"
JAVA_HOME="/usr/lib/jvm/jdk-22.0.2-oracle-x64/"
[potatochipse@pop-os] - [/usr/lib/jvm/jdk-22.0.2-oracle-x64] - [4531]
[[$]
```


Working installation of IntelliJ saying that it has the latest installation.



ProjectHelloWorld.java



PART D

Question Description and Analysis:

This part of the assignment asks me to install plugins for IntelliJ

Answer:

I chose 3 plugins to install: GitHub, .env files support, and IdeaVim

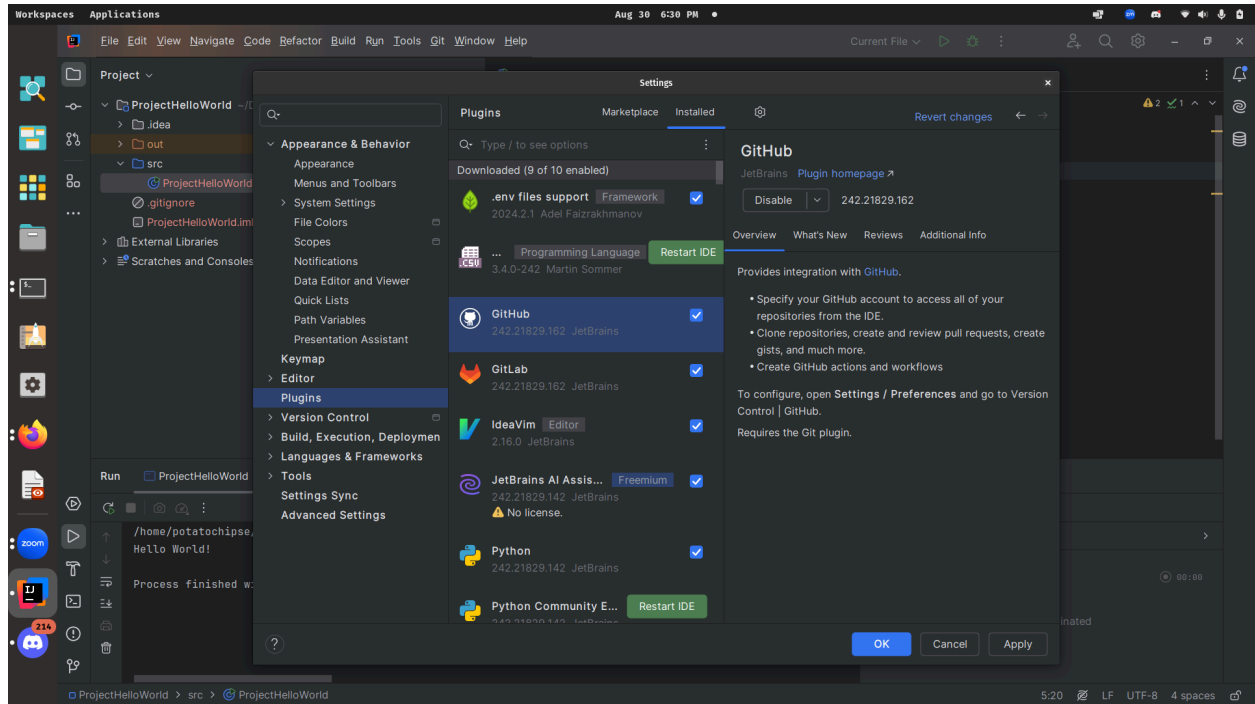
I chose the GitHub plugin because I know that in the future, I will need to maintain repositories for my Java projects. I feel that having a GUI interface for GitHub makes it a lot easier to push and pull changes from my remote branches. Even though I am capable of using Git through the terminal, I still prefer using the GitHub plugin from time to time.

I chose the .env files support plugin because it gives me nice syntax highlighting for .env variables. I feel that I need this plugin because I know I will end up using environment variables for Java in the future. Autocompletion will also be a convenient feature to have, especially if I have many environment variables.

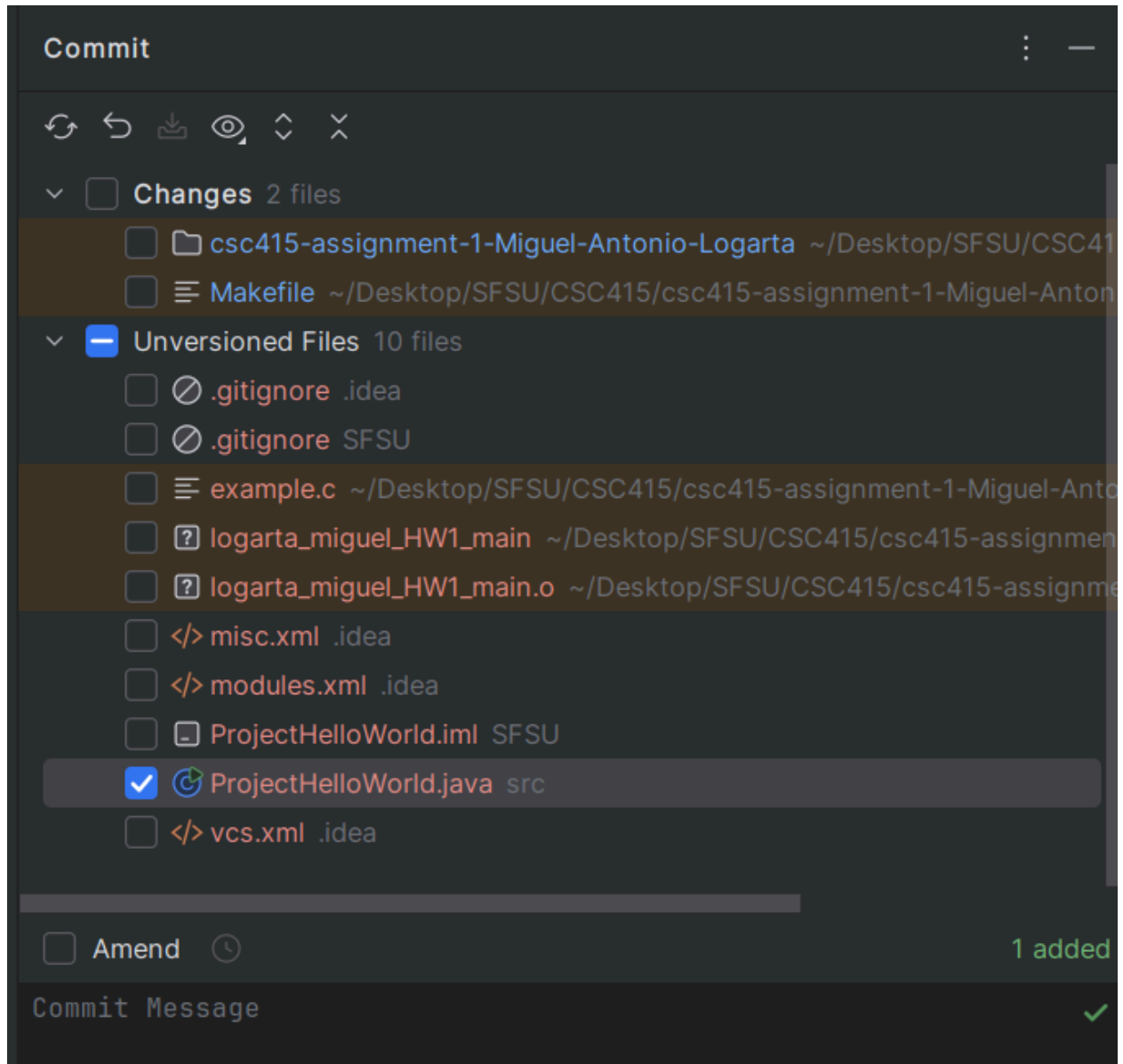
I chose IdeaVim because I like to use Vim occasionally when I don't feel like using my mouse. Even though I am a beginner at Vim, I feel that Vim Motions allows me to be very quick with editing code. It also feels more ergonomic having this plugin since my hands do not need to use the mouse.

Screenshots of Outputs and Explanation:

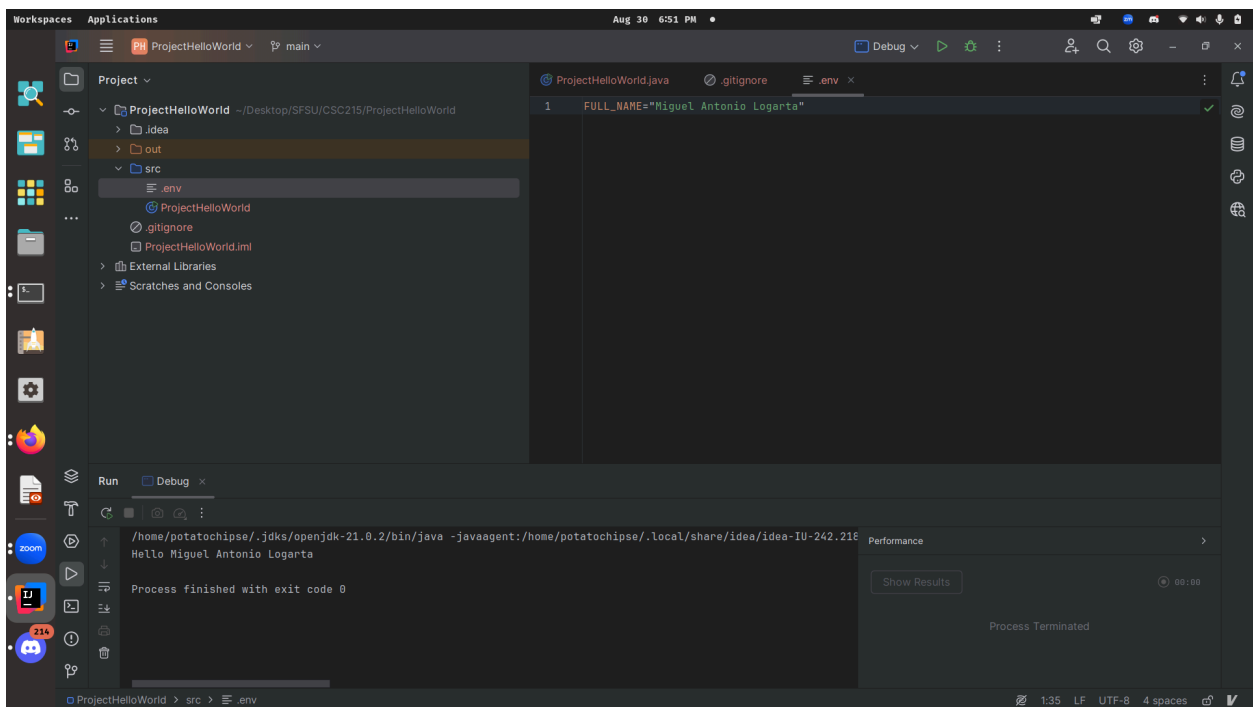
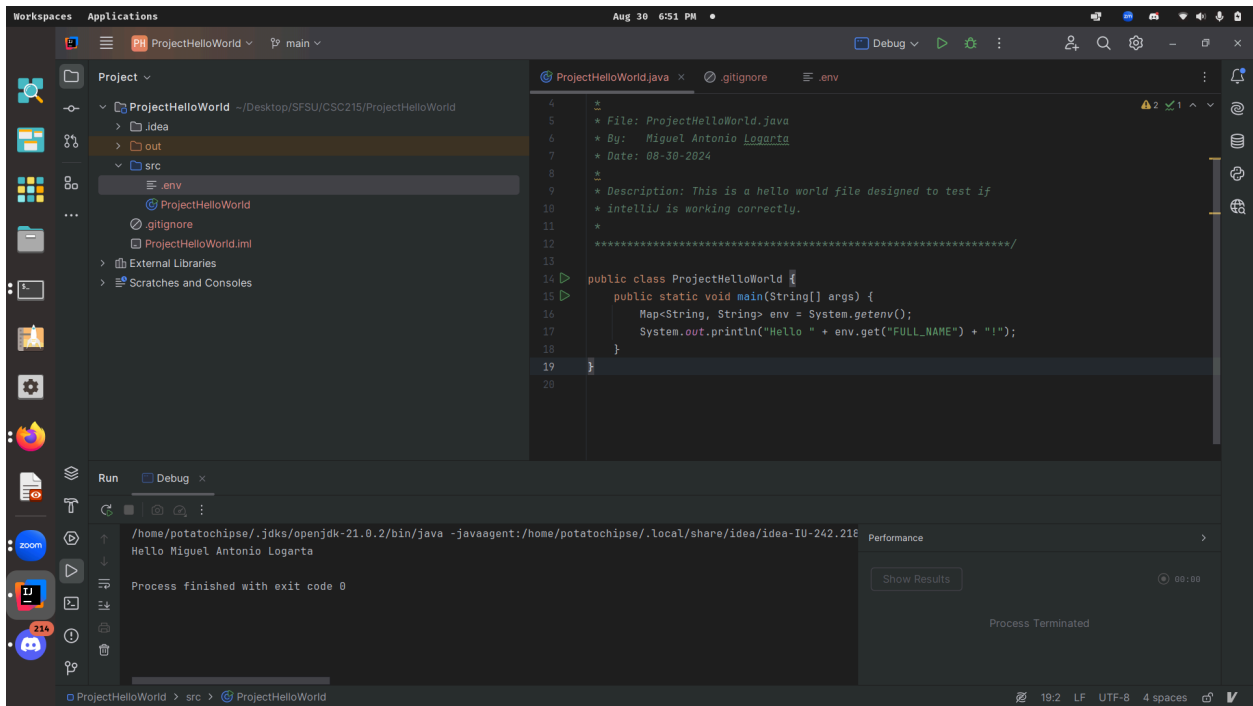
Screenshots of my plugins. GitHub, .env Files Support, and IdeaVim are all installed.



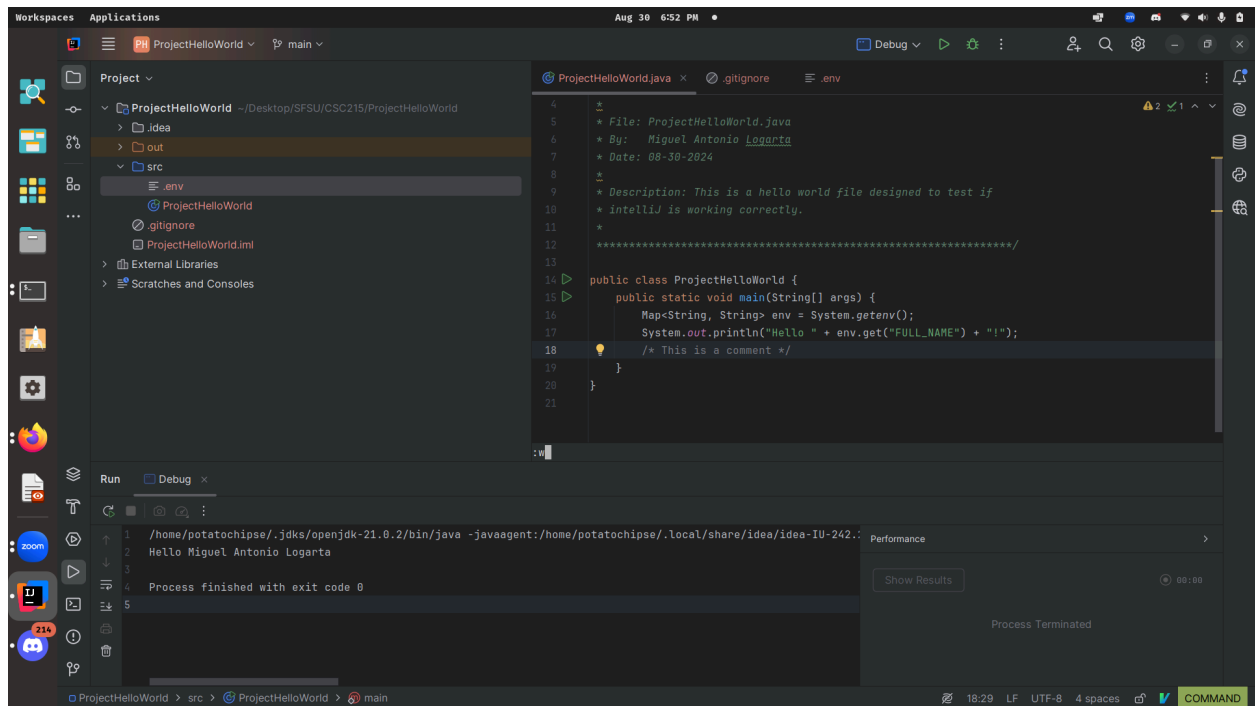
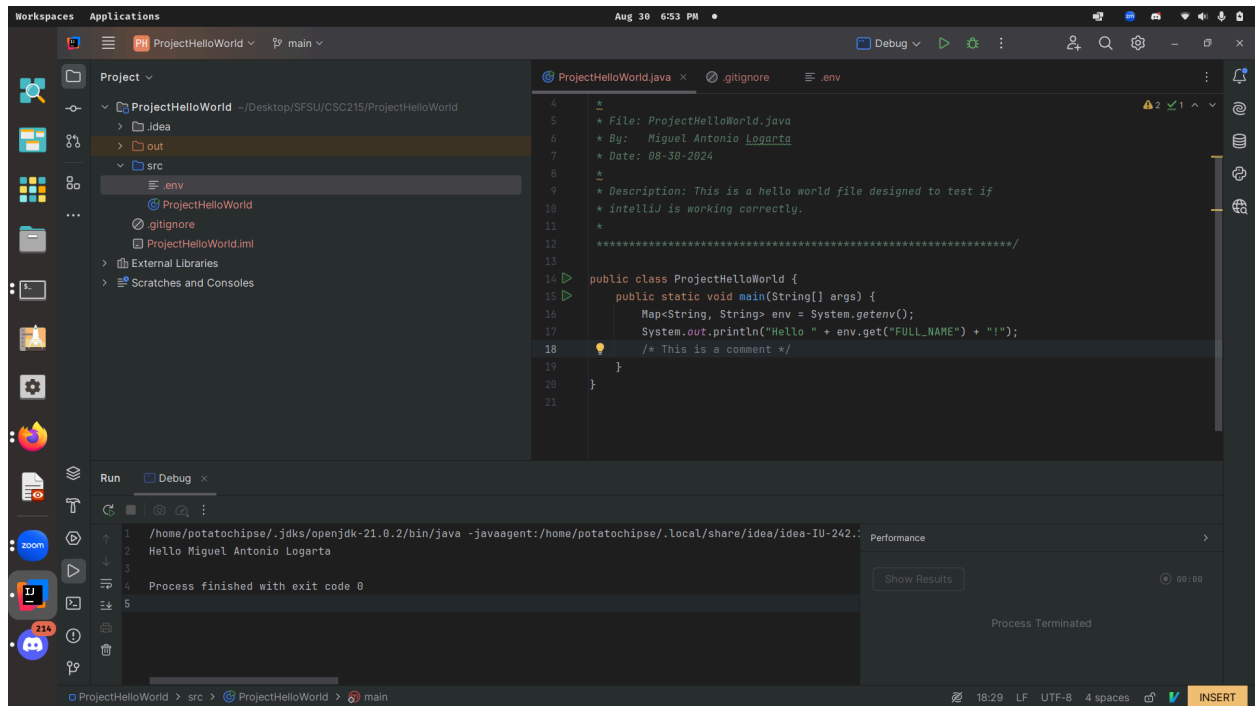
Using the GitHub plugin



Using the .env plugin. There is now syntax highlighting for .env variables



Using the IdeaVim plugin. I can enter into Normal, Insert, Visual, and Command mode. The mode is in the lower right corner.



PART E

Question Description and Analysis:

This part of the assignment asks me to write about my top 3 favorite keyboard shortcuts.

Answer:

My top 3 favorite keyboard shortcuts are:

1. Build/Rebuild -> Cmd+F9

I find this keyboard shortcut very useful since I don't have to drag my mouse to click on the build button. With this command, I can quickly build a project after I make small changes to fix a bug that prevents the program from running. Having to click a button over and over again gets annoying, so I'd like to make the process quicker by using a keyboard shortcut.

2. Add/Remove Caret -> Alt+Shift+Click

I love using multiple carets since it allows me to quickly edit any changes. Multiple carets allow me to select variables with similar names and change them on the fly. I can also copy and paste multiple values at the same time with multiple carets. It also allows me to edit multiple lines at the exact same time.

3. Surround With... -> Ctrl+Alt+T

The surround with shortcut was something I didn't know I needed. You can highlight a statement or piece of code, and surround it with anything. For example, if I have the expression `a==b`, I can highlight that, use the Surround With shortcut, and finally place it between brackets and an if statement. It is quite convenient to have and saves time.

PART F

Question Description and Analysis:

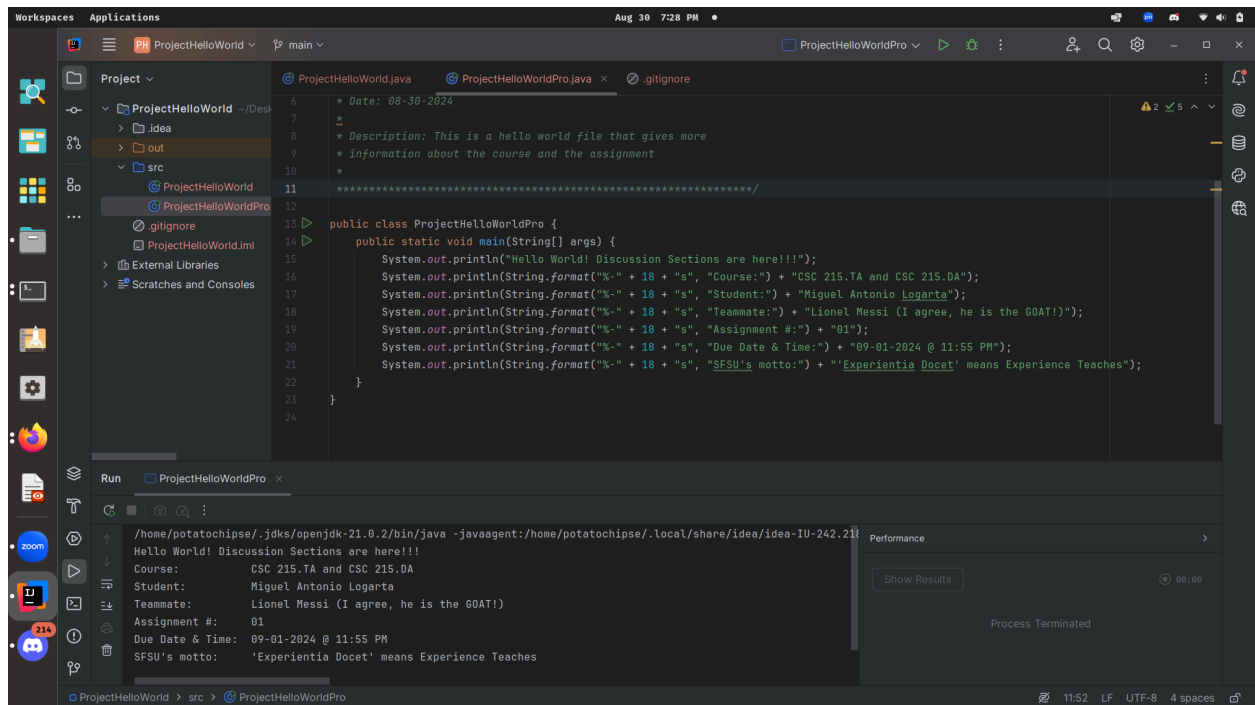
This part of the assignment asks me to make a simple program

Answer:

Screenshots below

Screenshots of Outputs and Explanation:

Screenshot of the program



The screenshot displays an IDE interface with a project named 'ProjectHelloWorld'. The main editor shows a Java file 'ProjectHelloWorldPro.java' with the following code:

```
6 * Date: 08-30-2024
7
8 * Description: This is a hello world file that gives more
9 * information about the course and the assignment
10 *
11 *****/
12
13 public class ProjectHelloWorldPro {
14     public static void main(String[] args) {
15         System.out.println("Hello World! Discussion Sections are here!!!");
16         System.out.println(String.format("%-18s", "Course:") + "CSC 215.TA and CSC 215.DA");
17         System.out.println(String.format("%-18s", "Student:") + "Miguel Antonio Logarta");
18         System.out.println(String.format("%-18s", "Teammate:") + "Lionel Messi (I agree, he is the GOAT!)");
19         System.out.println(String.format("%-18s", "Assignment #:") + "01");
20         System.out.println(String.format("%-18s", "Due Date & Time:") + "09-01-2024 @ 11:55 PM");
21         System.out.println(String.format("%-18s", "SFSU's motto:") + "'Experientia Docet' means Experience Teaches");
22     }
23 }
24
```

The Run console at the bottom shows the output of the program:

```
/home/potatochipse/.jdk/openjdk-21.0.2/bin/java -javaagent:/home/potatochipse/.local/share/idea/idea-IU-242.211
Hello World! Discussion Sections are here!!!
Course:      CSC 215.TA and CSC 215.DA
Student:     Miguel Antonio Logarta
Teammate:    Lionel Messi (I agree, he is the GOAT!)
Assignment #: 01
Due Date & Time: 09-01-2024 @ 11:55 PM
SFSU's motto: 'Experientia Docet' means Experience Teaches
```

The Performance panel on the right indicates 'Process Terminated'.