Lab 1

Task 1: Java Basics

Question 1:

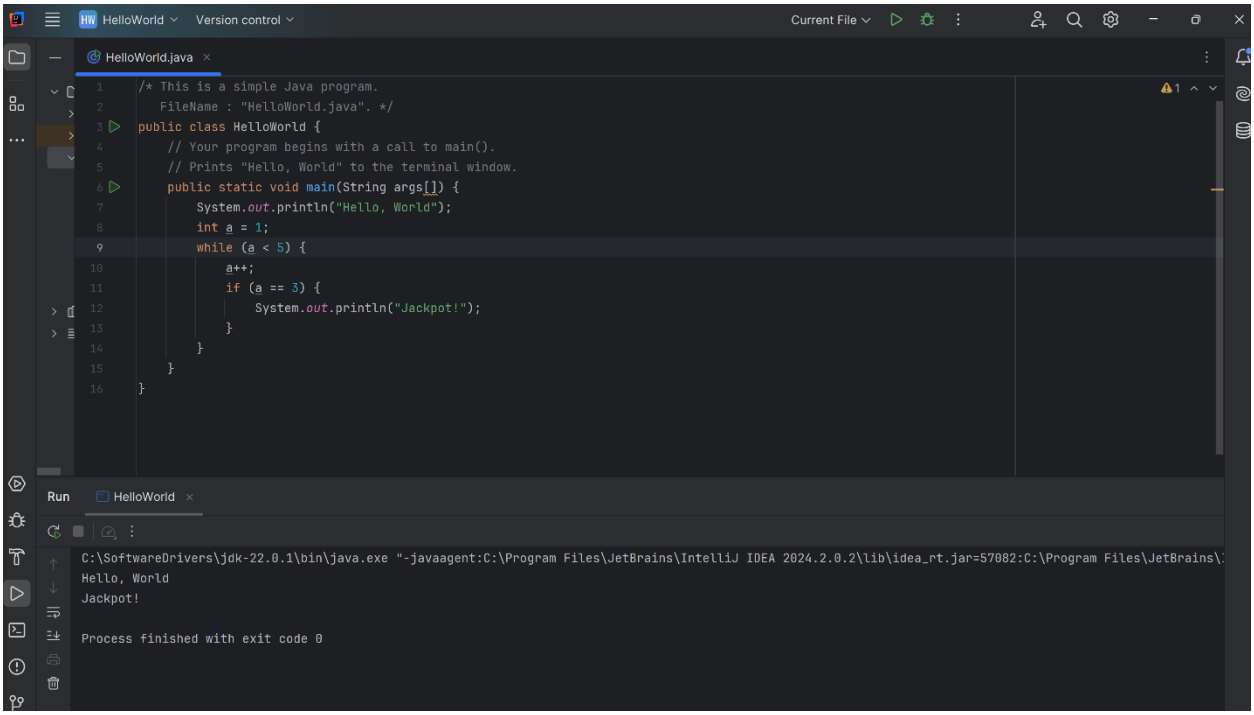
The Mainfest file contains the meta information about the files packaged in a JAR file. C would become the main class if there were three classes and C had the main method

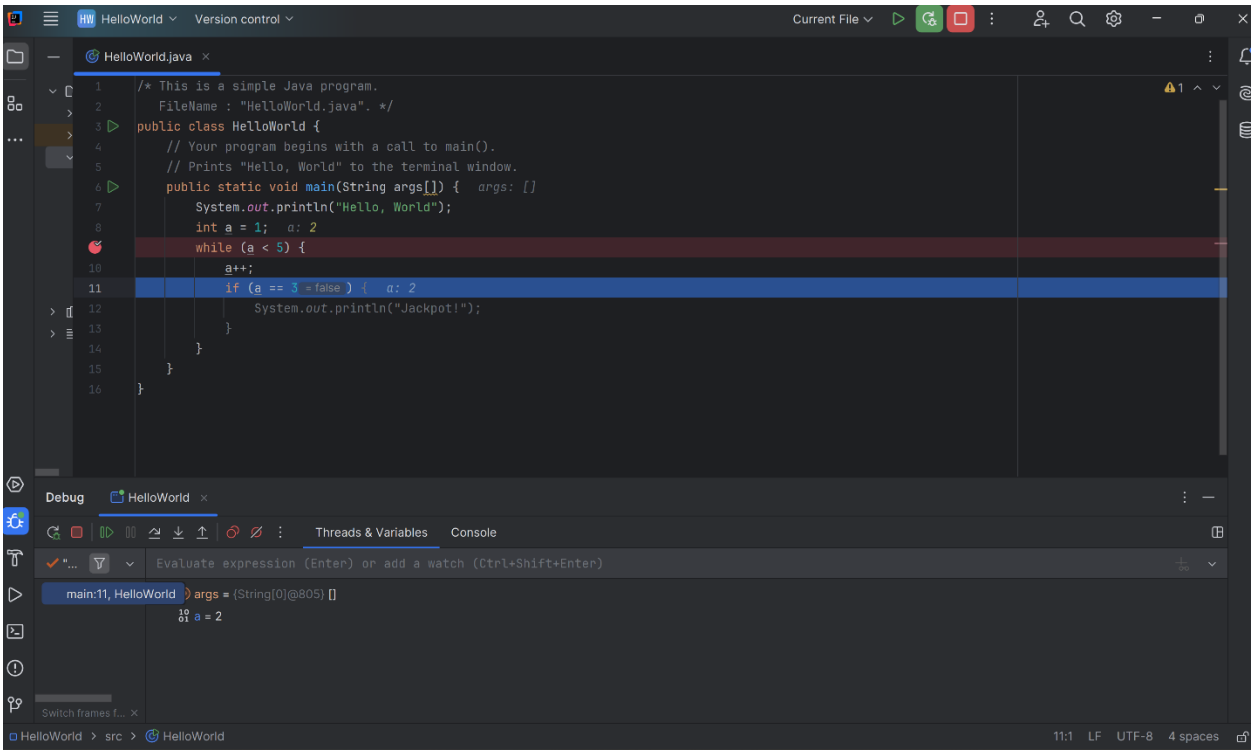
Question 2:

The if statement is visited four times.

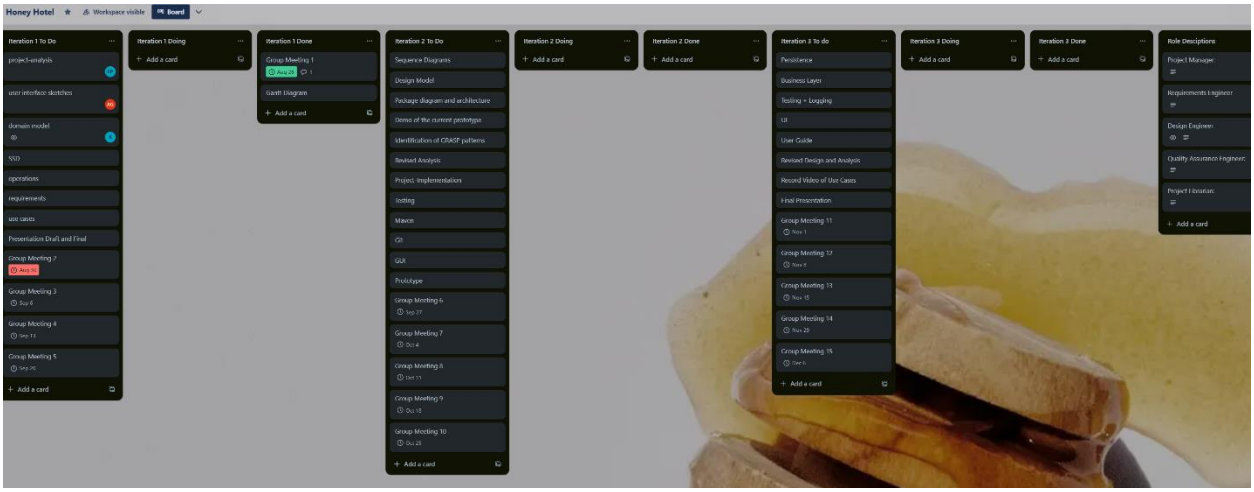
Untitled Gantt Project

Aug 31, 2024





Task 2: Scrum – Task Board



Task 3: Gantt Diagram

Untitled Gantt Project Aug 31, 2024

http://

Project manager	
Project dates	Aug 30, 2024 - Dec 7, 2024
Completion	0%
Tasks	87
Resources	5

Untitled Gantt Project

Tasks

Name	Begin date	End date
Iteration 1	8/30/24	9/20/24
Analysis	8/30/24	9/5/24
project vision	8/30/24	9/5/24
team assembly	8/30/24	9/5/24
infrastructure initialization	8/30/24	9/5/24
requirements analysis	8/30/24	9/5/24
use cases	8/30/24	9/5/24
traceability matrix	8/30/24	9/5/24
system sequence diagrams	8/30/24	9/5/24
system operations	8/30/24	9/5/24
wireframes	8/30/24	9/5/24
domain model	8/30/24	9/5/24
presentation and reporting	8/30/24	9/5/24
Design	9/6/24	9/12/24
design model	9/6/24	9/12/24
sequence diagrams	9/6/24	9/12/24
package diagrams	9/6/24	9/12/24
GRAPS patterns	9/6/24	9/12/24
test coverage	9/6/24	9/12/24
prototyping	9/6/24	9/12/24
presentation and reporting	9/6/24	9/12/24
Implementation	9/13/24	9/20/24
backend	9/13/24	9/20/24
user interface	9/13/24	9/20/24
user input validation	9/13/24	9/20/24
imports/exports	9/13/24	9/20/24
unit-testing	9/13/24	9/20/24
documentation	9/13/24	9/20/24
presentation and reporting	9/13/24	9/20/24
Iteration 2	9/23/24	10/25/24
Analysis	9/23/24	10/2/24
project vision	9/23/24	10/2/24

team assembly	9/23/24	10/2/24
infrastructure initialization	9/23/24	10/2/24
requirements analysis	9/23/24	10/2/24
use cases	9/23/24	10/2/24
traceability matrix	9/23/24	10/2/24
system sequence diagrams	9/23/24	10/2/24
system operations	9/23/24	10/2/24
wireframes	9/23/24	10/2/24
domain model	9/23/24	10/2/24
presentation and reporting	9/23/24	10/2/24

Tasks

Name	Begin date	End date
Design	10/3/24	10/14/24
design model	10/3/24	10/14/24
sequence diagrams	10/3/24	10/14/24
package diagrams	10/3/24	10/14/24
GRAPS patterns	10/3/24	10/14/24
test coverage	10/3/24	10/14/24
prototyping	10/3/24	10/14/24
presentation and reporting	10/3/24	10/14/24
Implementation	10/15/24	10/25/24
backend	10/15/24	10/25/24
user interface	10/15/24	10/25/24
user input validation	10/15/24	10/25/24
imports/exports	10/15/24	10/25/24
unit-testing	10/15/24	10/25/24
documentation	10/15/24	10/25/24
presentation and reporting	10/15/24	10/25/24
Iteration 3	10/28/24	12/6/24
Analysis	10/28/24	11/8/24
project vision	10/28/24	11/8/24
team assembly	10/28/24	11/8/24
infrastructure initialization	10/28/24	11/8/24
requirements analysis	10/28/24	11/8/24
use cases	10/28/24	11/8/24

traceability matrix	10/28/24	11/8/24
system sequence diagrams	10/28/24	11/8/24
system operations	10/28/24	11/8/24
wireframes	10/28/24	11/8/24
domain model	10/28/24	11/8/24
presentation and reporting	10/28/24	11/8/24
Design	11/11/24	11/22/24
design model	11/11/24	11/22/24
sequence diagrams	11/11/24	11/22/24
package diagrams	11/11/24	11/22/24
GRAPS patterns	11/11/24	11/22/24
test coverage	11/11/24	11/22/24
prototyping	11/11/24	11/22/24
presentation and reporting	11/11/24	11/22/24
Implementation	11/25/24	12/6/24
backend	11/25/24	12/6/24
user interface	11/25/24	12/6/24
user input validation	11/25/24	12/6/24
imports/exports	11/25/24	12/6/24

Untitled Gantt Project

Tasks

Name	Begin date	End date
unit-testing	11/25/24	12/6/24
documentation	11/25/24	12/6/24
presentation and reporting	11/25/24	12/6/24

Resources

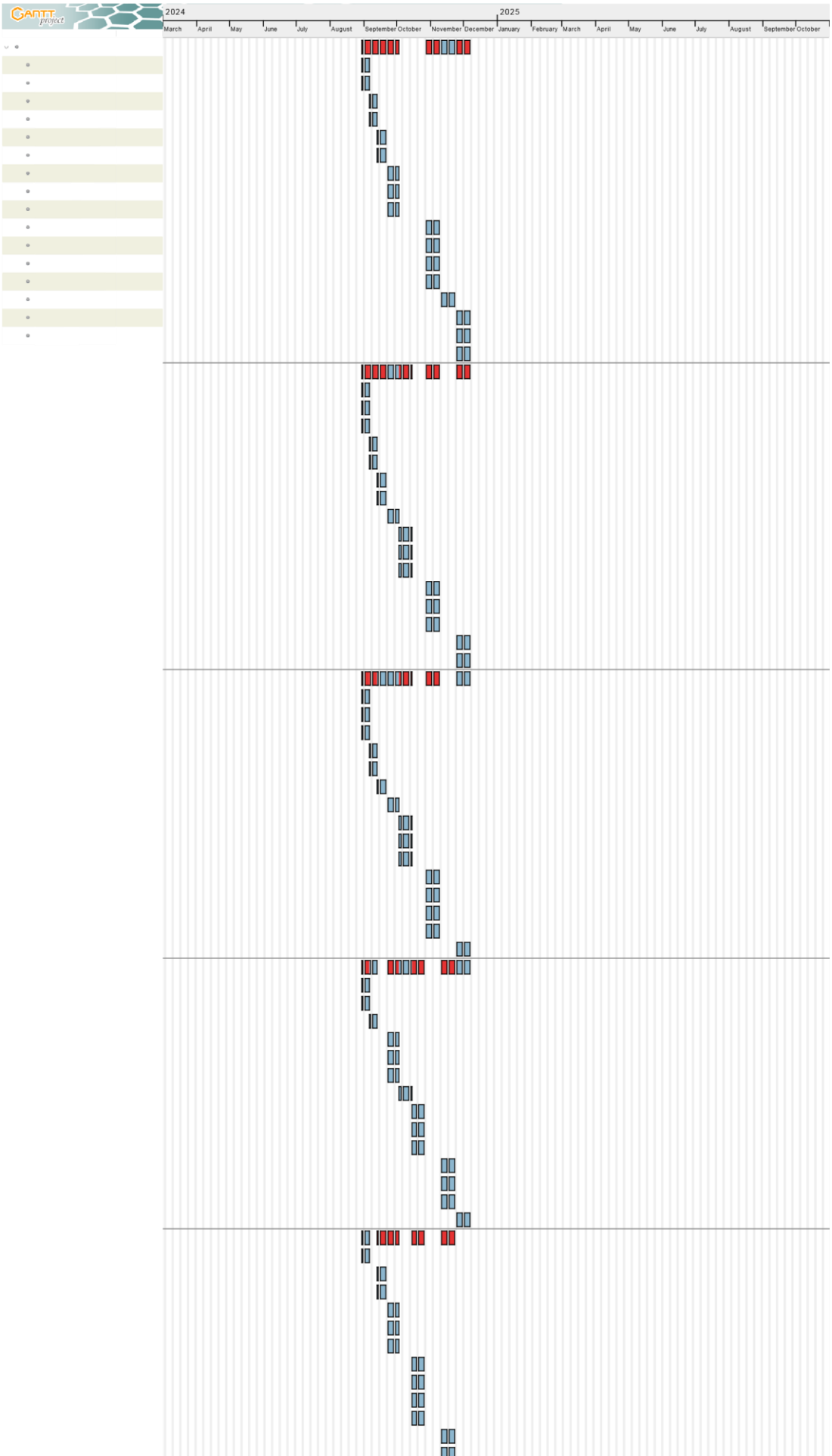
Name	Default role
Samuel Choi	Team Lead
Kirby Dyson	Analyst
Candor Miller	Tester
Eugene Pak	Developer
Aiden Grajo	Developer

Gantt Chart

Name	Begin date	End date
Iteration 1	8/30/24	9/20/24
Analysis	8/30/24	9/5/24
Design	9/6/24	9/12/24
Implementation	9/13/24	9/20/24
Iteration 2	9/23/24	10/25/24
Analysis	9/23/24	10/2/24
Design	10/3/24	10/14/24
Implementation	10/15/24	10/25/24
Iteration 3	10/28/24	12/6/24
Analysis	10/28/24	11/8/24
Design	11/11/24	11/22/24
Implementation	11/25/24	12/6/24

Resources Chart

Kirby Dyson


GANTT project
2024
2025
March
April
May
June
July
August
September
October
November
December
January
February
March
April
May
June
July
August
September
October