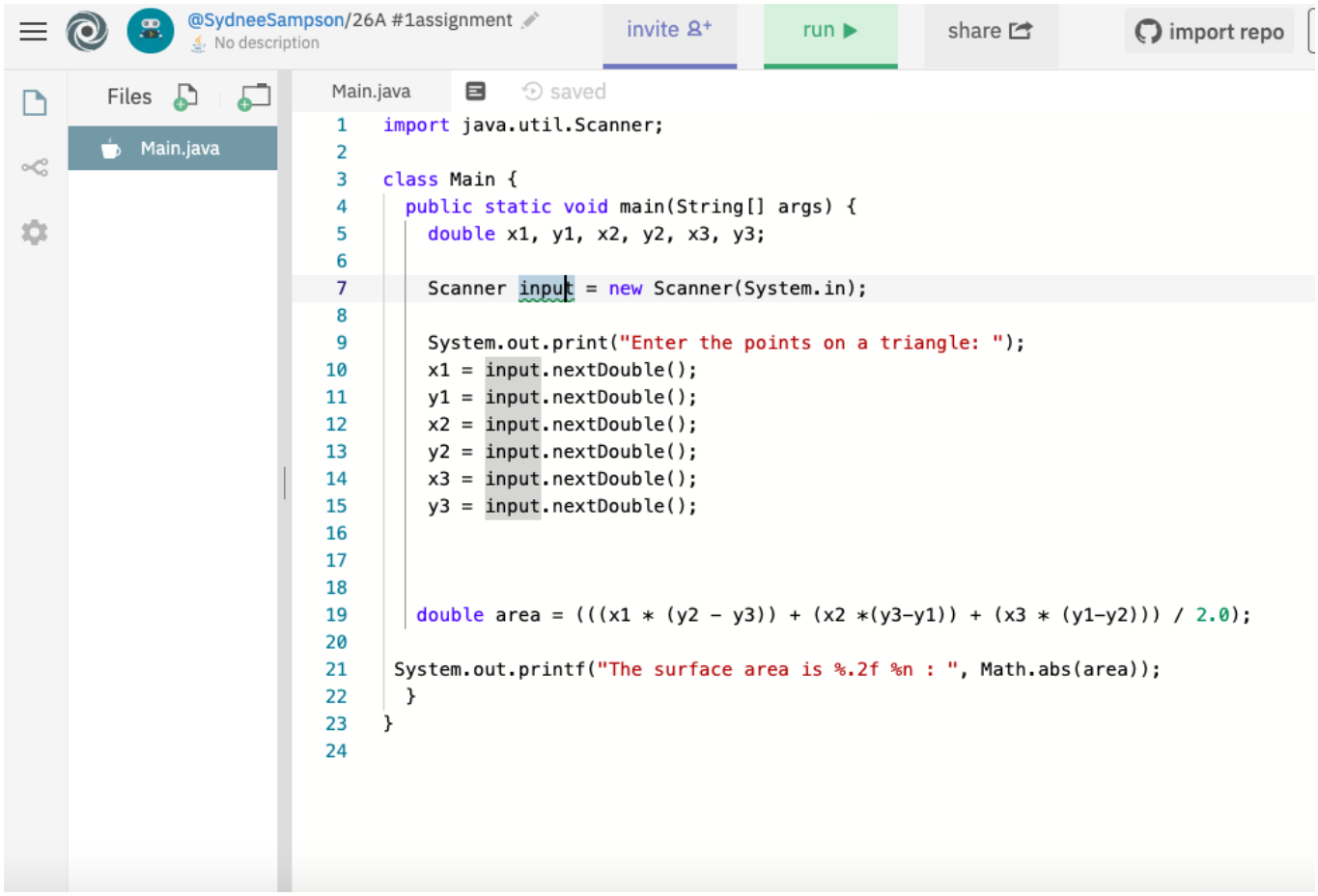
Sydnee Sampson-Blackwell
Mr. Anthony
CSP26A TTH 10:30
Assignment #1
02/10/2020

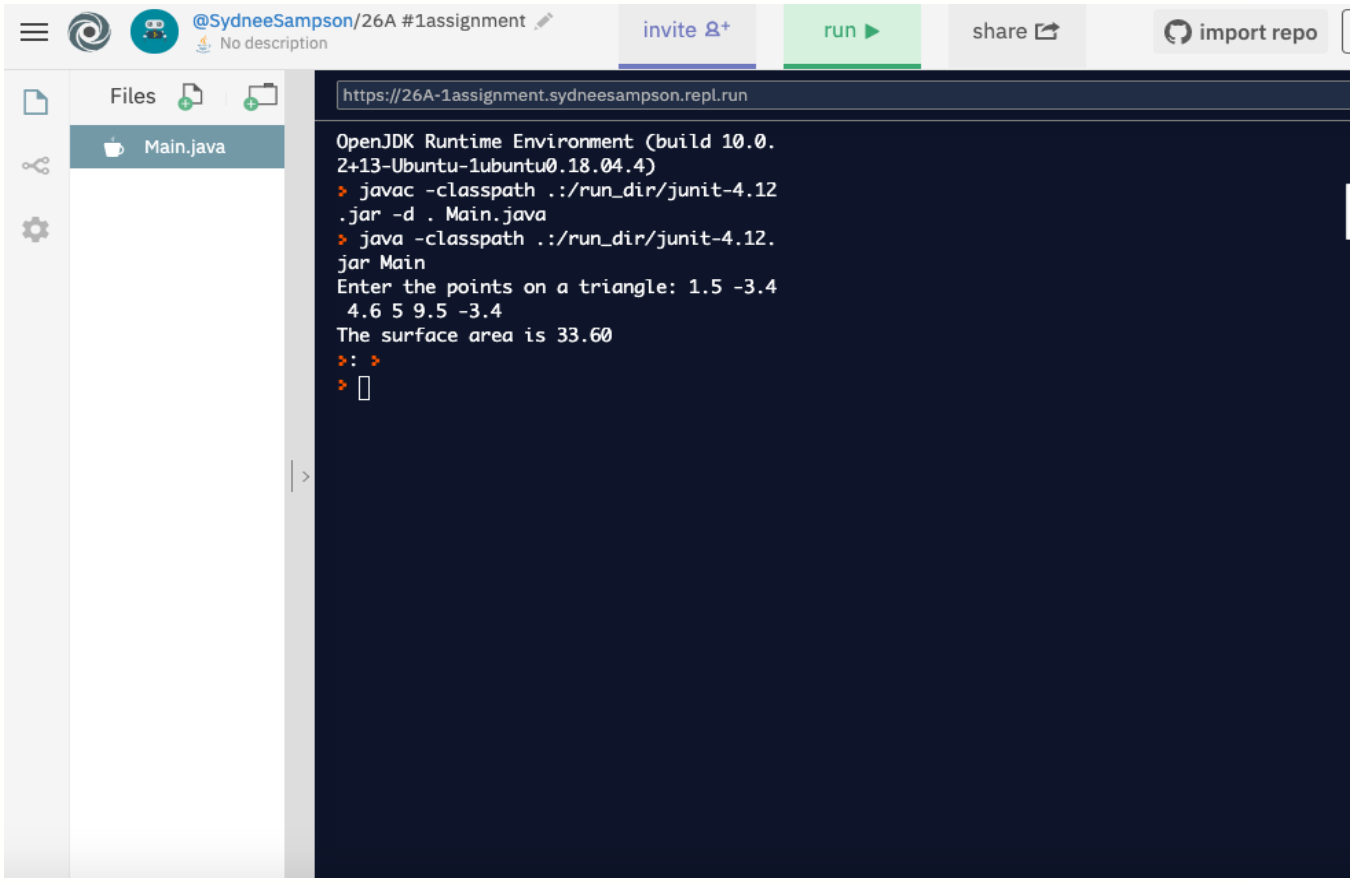
Calculate Area of Triangle

Prompt 'Enter x1, y1, x2, y2, x3, y3:'
Get x1, y1, x2, y2, x3, y3

Calculate area
Area = (((x1 * (y2 - y3)) + (x2 *(y3-y1)) + (x3 * (y1-y2))) / 2.0)

Display area





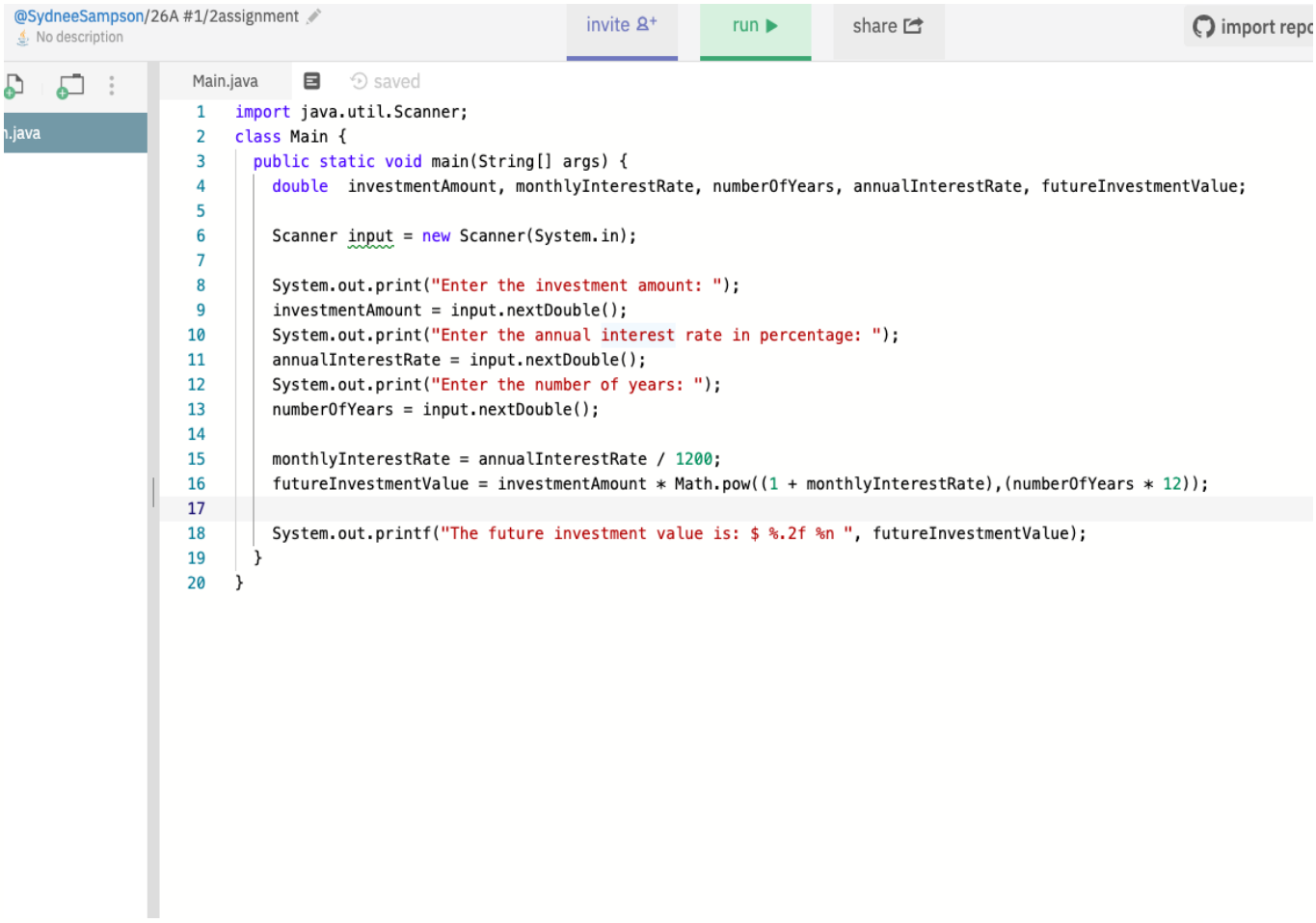
Calculate Future Investment Value

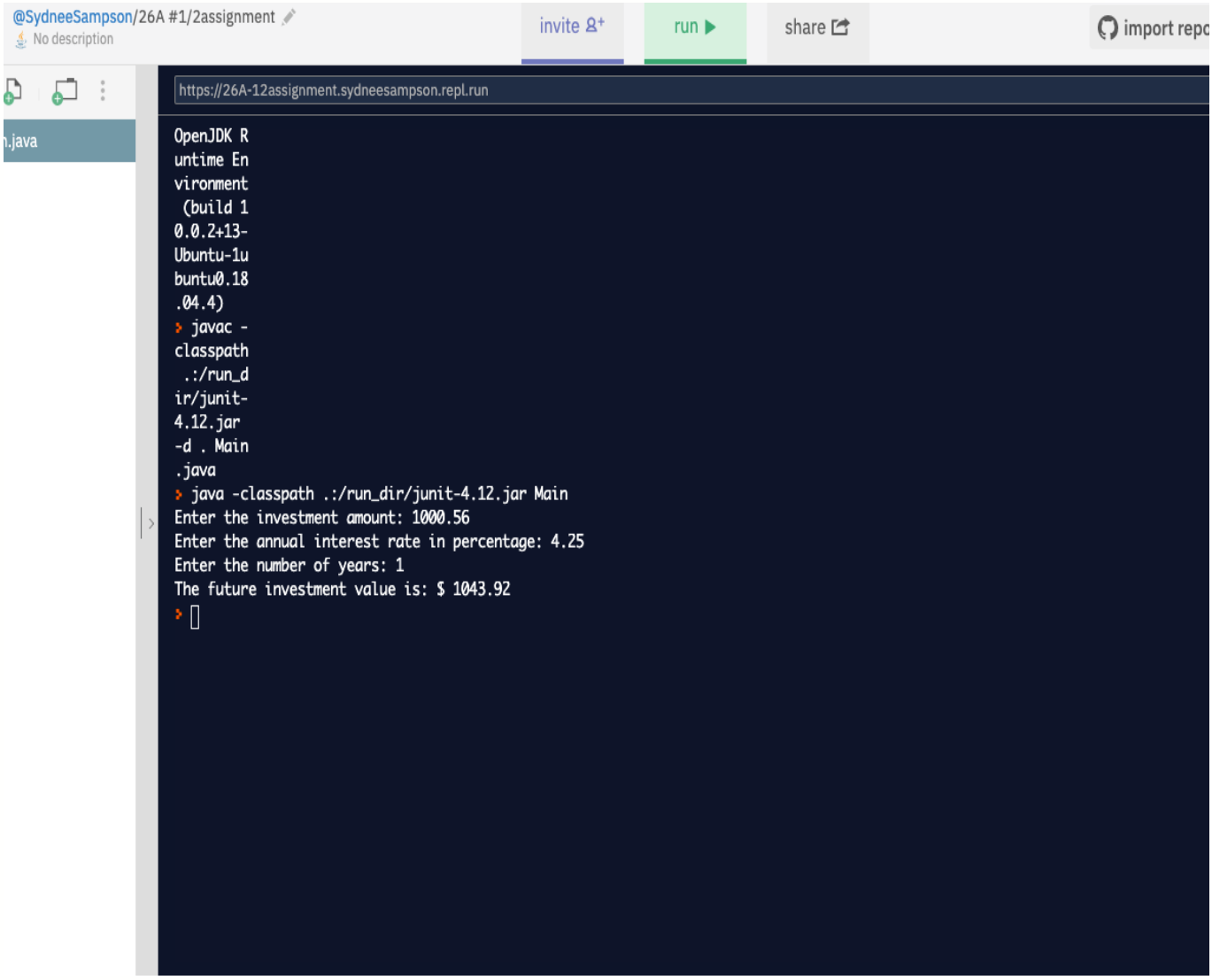
Prompt “Enter the Investment amount:”
Get investmentAmount
Prompt “Enter annual interest rate in percentage:”
Get annualInterestRate
Prompt “Enter number of years:”
Get numberOf Years

Calculate monthlyInterestRate
monthlyInterestRate = annualInterestRate / 1200;

Calculate future investment value
futureInvestmentValue = investmentAmount * Math.pow((1 + monthlyInterestRate),(numberOfYears * 12))

Display futureInvestmentValue


@SydneeSampson/26A #1/2assignment
No description
invite
run
share
import repo
.java
Main.java
saved
1 import java.util.Scanner;
2 class Main {
3 public static void main(String[] args) {
4 double investmentAmount, monthlyInterestRate, numberOfYears, annualInterestRate, futureInvestmentValue;
5
6 Scanner input = new Scanner(System.in);
7
8 System.out.print("Enter the investment amount: ");
9 investmentAmount = input.nextDouble();
10 System.out.print("Enter the annual interest rate in percentage: ");
11 annualInterestRate = input.nextDouble();
12 System.out.print("Enter the number of years: ");
13 numberOfYears = input.nextDouble();
14
15 monthlyInterestRate = annualInterestRate / 1200;
16 futureInvestmentValue = investmentAmount * Math.pow((1 + monthlyInterestRate),(numberOfYears * 12));
17
18 System.out.printf("The future investment value is: $ %.2f %n ", futureInvestmentValue);
19 }
20 }


@SydneeSampson/26A #1/2assignment
No description
invite
run
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import repo
.java
https://26A-12assignment.sydneesampson.repl.run
OpenJDK R
untime En
vironment
(build 1
0.0.2+13-
Ubuntu-1u
buntu0.18
.04.4)
javac -
classpath
.:/run_d
ir/junit-
4.12.jar
-d . Main
.java
java -classpath .:/run_dir/junit-4.12.jar Main
Enter the investment amount: 1000.56
Enter the annual interest rate in percentage: 4.25
Enter the number of years: 1
The future investment value is: $ 1043.92