For my module 03 assignment, I have modified the previous assignments Guess2.java file with the logger information provided. I did make a few changes so I can run as logger.info or logger.warning rather than setting the level directly in the logger class which is a little more work.

Guess 2.java:

import java.util.Scanner;

import java.util.Random;

import java.io.\*;

import java.util.logging.\*;

public class Guess2 {

    static Logger logger = Logger.getLogger(Guess2.class.getName());

    // YOU MAY ASSUME THE COMMENTS CORRECTLY DESCRIBE WHAT SHOULD HAPPEN.

    public static void main(String[] args) {

        try {

            LogManager.getLogManager().readConfiguration(new FileInputStream("mylogging.properties"));

        } catch (SecurityException | IOException e) {

            e.printStackTrace();

        }

        logger.setLevel(Level.FINE);

        FileHandler fh;

        // Stops error from being displayed in console window and only show up in the log file

        logger.setUseParentHandlers(false);

        try {

            // This block configure the logger with handler and formatter

            fh = new FileHandler("C:/Users/jack.jenkins/Desktop/logger.log");

            logger.addHandler(fh);

            SimpleFormatter formatter = new SimpleFormatter();

            fh.setFormatter(formatter);

            // the following statement is used to log any messages

            logger.info("Starting the Logger \n\n");

          } catch (SecurityException e) {

            e.printStackTrace();

          } catch (IOException e) {

            e.printStackTrace();

          }

        //THESE DECLARATIONS ARE CORRECT.

        Random ranGen = new Random(8);  // seeded to make debugging easier

        final int sides = 6;            // number of sides for a die

        Scanner userInput = new Scanner(System.in);

        int userguess = -1;             // user's guess,  1 - 6 inclusive

        int rolled = -1;                // number rolled, 1 - 6 inclusive

        int computerPoints = 0;         // computer's score, 0 - 5 max

        int humanPoints = 0;            // human user's score, 0 - 5 max

        boolean rightGuess = false;     // flag for correct guess

        int numGuesses = 0;             // counts the number of guesses per round

        //MAKE SURE THE PROGRAM PLAYS BY THESE RULES!!!

        System.out.println("Welcome to the Guess Game!\n\n RULES:");

        System.out.println("1. We will play five rounds.");

        System.out.println("2. Each round you will guess the number rolled on a six-sided die.");

        System.out.println("3. If you guess the correct value in three or fewer tries\n" +

            "   then you score a point, otherwise I score a point.");

        System.out.println("4. Whoever has the most points after five rounds wins.");

        // play five rounds

        for (int r = 1; r <= 5; r++) {

            // roll the die to start the round

            System.out.println("\n\nROUND " + r);

            System.out.println("-------");

            rolled = ranGen.nextInt(sides+1);

            System.out.println("The computer has rolled the die.");

            System.out.println("You have three guesses.");

            // loop gives user up to three guesses

            rightGuess = false;

            numGuesses = 0;

            while ((numGuesses <= 2) && (rightGuess == false)) {

                // input & validation: must be in range 1 to 6 inclusive

                do {

                    System.out.print("\nWhat is your guess [1-6]? ");

                    userguess = userInput.nextInt();

                    if ((userguess < 1 || userguess > 6)) {

                        logger.warning("User put in an incorrect value of " + userguess + "\n");

                        System.out.println("   Please enter a valid guess [1-6]!");

                    }

                } while (userguess < 1 || userguess > 6);

                // did the user guess right?

                if (rolled == userguess) {

                    logger.info("User Guessed Correctly for Round " + r + "\n");

                    System.out.println("   Correct!");

                    rightGuess = true;

                } else {

                    logger.info("User Guessed Incorrectly for ROUND " + r + "\n");

                    System.out.println("   Incorrect guess.");

                }

                numGuesses++;

            }

            // if the user guessed right, they get a point

            // otherwise the computer gets a point

            if (rightGuess) {

                humanPoints++;

            } else {

                computerPoints++;

            }

            // display the answer and scores

            System.out.println("\n\*\*\* The correct answer was: " + rolled + " \*\*\*\n");

            System.out.println("Scores:");

            System.out.println("  You: \t\t" + humanPoints);

            System.out.println("  Computer: \t" + computerPoints);

            System.out.println("");

        }

        // tell the user if they won or lost

        if (computerPoints > humanPoints) {

            logger.info("\*\*\* User Lost! \*\*\*");

            System.out.println("\*\*\* You Lose! \*\*\*");

        } else {

            logger.info("\*\*\* User Won! \*\*\*");

            System.out.println("\*\*\* You Win! \*\*\*");

        }

        System.out.println("Thanks for playing the Guess Game!");

    } // end main

}  // end class Guess

Logger.log information:

Apr 24, 2021 2:19:18 AM Guess2 main

INFO: Starting the Logger

Apr 24, 2021 2:19:28 AM Guess2 main

WARNING: User put in an incorrect value of 7

Apr 24, 2021 2:19:36 AM Guess2 main

INFO: User Guessed Correctly for Round 1

Apr 24, 2021 2:19:39 AM Guess2 main

INFO: User Guessed Correctly for Round 2

Apr 24, 2021 2:19:40 AM Guess2 main

INFO: User Guessed Incorrectly for ROUND 3

Apr 24, 2021 2:19:43 AM Guess2 main

INFO: User Guessed Correctly for Round 3

Apr 24, 2021 2:19:46 AM Guess2 main

INFO: User Guessed Incorrectly for ROUND 4

Apr 24, 2021 2:19:47 AM Guess2 main

INFO: User Guessed Incorrectly for ROUND 4

Apr 24, 2021 2:19:48 AM Guess2 main

INFO: User Guessed Incorrectly for ROUND 4

Apr 24, 2021 2:19:50 AM Guess2 main

INFO: User Guessed Correctly for Round 5

Apr 24, 2021 2:19:50 AM Guess2 main

INFO: \*\*\* User Won! \*\*\*