package com.company;

import java.io.\*;

import java.util.\*;

*/\* Erica , Isabel, and Nuha Pseudo Code*

*Erica, Isabel, and Nuha Pseudo Code*

*Import java.io and java.util*

*Import Scanner for the file (File file = new (name of file))*

*and for the user input with Scanner input = new Scanner (System.in)*

*Initialize the variables*

*String temp1*

*Int temp2*

*Double temp3*

*String answer1*

*Int Playcount*

*Int Wincount (Set all of these equal to “”, 0, or 0.0*

*Call on the Welcome method to start the welcome sign*

*Create the do-while loop for the 3 games (lottery, words, measurements)*

*Create a scanner in the do part for the file (Scanner file = new Scanner(file))*

*Print do you want to play words, the lottery, or measurements?*

*Ask for user input by calling scanner*

*Create and if statement for the words (answer.contains (“words))*

*Print The category is Disney, Marvel, and Star Wars characters. What is your guess?*

*Use String Guess word so that the user can guess and the code reads the file*

*Create another if statement (words(guessword,scanfile, temp1) == true*

*Then you would do Wincount++ for their point*

*Print The category is integers from 1-100. What will you guess?*

*Use int GuessInt so that the user can guess and the code reads the file*

*Create another if statement (words(guessword,scanfile, temp2) == true*

*Then you would do Wincount++ for their point*

*Print The category is doubles from 0.0 - 24.0. What will you guess?*

*Use int GuessDouble t so that the user can guess and the code reads the file*

*Create another if statement (words(guessword,scanfile, temp3) == true*

*Then you would do Wincount++ for their point*

*Create another if statement for input.hasNextLine*

*Use another Challenge pattern to add decor to the code (+--------+)*

*Print Do you want to play again? Yes/No*

*Use answer1 as another input for the user*

*Use the same Challenge3 Pattern*

*Use the Playcount++ to print the number of times you played*

*Close the scanner file*

*Write the while loop for when the answer contains (y)*

*Print Your total number of plays was: " + playCount*

*Print Your total number of wins was: " + winCount*

*Use the Challenge base pattern*

*Print Thank you so much for playing! - Erica, Isabel, and Nuha*

*Methods (Words)*

*First, create a static boolean line*

*Create code that scans the file with answers*

*Write code that sees if the answer is true or false*

*Add in a keyboard.next() for the user to type in the word*

*Make an if loop*

*If the keyboard.next matches with a word that is in the file, then print “correct”*

*After keyboard.next() has been stated and correct, trash it*

*If false, print “try again”*

*Return method*

*Methods(Lottery)*

*First, create a static boolean line*

*Create code that scans the file with answers*

*Write code that sees if the answer is true or false*

*Add in a keyboard.next() for the user to type in the integer*

*Make an if loop*

*If the keyboard.next matches with a word that is in the file, then print “correct”*

*After keyboard.next() has been stated and correct, trash it*

*If false, print “try again”*

*Return method*

*Methods(Measurements)*

*First, create a static boolean line*

*Create code that scans the file with answers*

*Write code that sees if the answer is true or false*

*Add in a keyboard.next() for the user to type in the doubles*

*Make an if loop*

*If the keyboard.next matches with a word that is in the file, then print “correct”*

*After keyboard.next() has been stated and correct, trash it*

*If false, print “try again”*

*Return method*

*Lastly, create cute welcome image*

*\*/*

public class FinalProject {

   public static void main(String[] args) throws FileNotFoundException {

*// this initializes the temp variables*

String temp1 = "";

       int temp2 = 0;

       double temp3 = 0.0;

*// this initializes the variable for the user's answer*

String answer1 = "";

*// this initializes the counts for wins and plays*

int playCount = 0;

       int winCount = 0;

*// this calls the welcome sign method*

*welcome*();

*// this do while loop asks which they want to play, calls, the method, asks if they wat to play again, and then prints scores*

do {

           Scanner input = new Scanner(System.*in*); *// this creates new scanner object*

File file = new File("C:\\Users\\fulbrighte23\\IdeaProjects\\CompSci2020\\src\\com\\company\\Final Project.txt");

*// this creates new file*

*// create new scanFile object inside the loop so it resets*

Scanner scanFile = new Scanner(file);

*// asks which category*

System.*out*.println("Do you want to play words, the lottery, or measurements? ");

           String answer = input.nextLine();

*// if they say words, print this*

if (answer.contains("words")) {

               System.*out*.print("The category is Disney, Marvel, and Star Wars characters. What is your guess? ");

               String guessWord = input.next();

*// call method, if they get it right, add one to winCount*

if (*words*(guessWord, scanFile, temp1) == true) {

                   winCount++;

               }

           }

*// if they say lottery, print this*

if (answer.contains("lottery")) {

               System.*out*.print("The category is integers from 1-100. What will you guess? ");

               int guessInt = input.nextInt();

*// call method, if they get it right, add one to winCount*

if (*lottery*(guessInt, scanFile, temp2) == true) {

                   winCount++;

               }

           }

*// if they say measurements, print this*

if (answer.contains("measurements")) {

               System.*out*.print("The category is doubles from 0.0 - 24.0. What will you guess? ");

               double guessDoub = input.nextDouble();

*// call method, if they get it right, add one to winCount*

if (*measurements*(guessDoub, scanFile, temp3) == true) {

                   winCount++;

               }

           }

*// if answer has a next line, define it*

if (input.hasNextLine()) {

               answer1 = input.nextLine();

           }

*// print challenge 2 line to make pretty*

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

*// asks whether or not they want to play again*

System.*out*.print("Do you want to play again? Yes/No ");

           answer1 = input.nextLine();

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

*// add one to the playCount (number of times they played)*

playCount++;

           scanFile.close();

*// while answer contains yes, keep going*

} while (answer1.contains("Y") || answer1.contains("y"));

*// prints play count and win count*

System.*out*.println("Your total number of plays was: " + playCount);

       System.*out*.println("Your total number of wins was: " + winCount);

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

*// thank you message*

System.*out*.println("Thank you so much for playing! - Erica, Isabel, and Nuha");

   }

   public static boolean words(String guessWord, Scanner scanFile, String temp1) {

*// creates boolean variable*

boolean flag = false;

*// looks for whatever they typed in*

while (scanFile.hasNext() && flag == false) {

           if (scanFile.hasNext()) {

               temp1 = scanFile.next();

*// if it finds it, flag = true and prints it's correct*

if (temp1.equals(guessWord)) {

                   flag = true;

                   System.*out*.println("That is correct! ");

               }

           } else {

*// else, trash whatever they said for both of the other categories*

if (scanFile.hasNextInt()) {

                   int trash = scanFile.nextInt();

               }

               if (scanFile.hasNextDouble()) {

                   double trash = scanFile.nextDouble();

               }

           }

       }

*// if flag is false, print try again*

if (flag == false) {

           System.*out*.println("Try again! ");

       }

*// return flag (true/false)*

return flag;

   }

   public static boolean lottery(int guessInt, Scanner scanFile, int temp2) {

*// creates boolean variable*

boolean flag = false;

*// looks for whatever they typed in*

while (scanFile.hasNext() && flag == false) {

           if (scanFile.hasNextInt()) {

               temp2 = scanFile.nextInt();

*// if it finds it, flag = true and prints it's correct*

if (temp2 == guessInt) {

                   flag = true;

                   System.*out*.println("That is correct! ");

               }

           } else {

*// else, trash whatever they said for both of the other categories*

if (scanFile.hasNextDouble()) {

                   double trash = scanFile.nextDouble();

               }

               if (scanFile.hasNext()) {

                   String trash = scanFile.next();

               }

           }

       }

*// if flag is false, print try again*

if (flag == false) {

           System.*out*.println("Try again! ");

       }

*// return flag (true/false)*

return flag;

   }

   public static boolean measurements(double guessDoub, Scanner scanFile, double temp3) {

*// creates boolean variable*

boolean flag = false;

*// looks for whatever they typed in*

while (scanFile.hasNext() && flag == false) {

           if (scanFile.hasNextDouble()) {

               temp3 = scanFile.nextDouble();

*// if it finds it, flag = true and prints it's correct*

if (temp3 == guessDoub) {

                   flag = true;

                   System.*out*.println("That is correct! ");

               }

           } else {

*// else, trash whatever they said for both of the other categories*

if (scanFile.hasNextInt()) {

                   int trash = scanFile.nextInt();

               }

               if (scanFile.hasNext()) {

                   String trash = scanFile.next();

               }

           }

       }

*// if flag is false, print try again*

if (flag == false) {

           System.*out*.println("Try again! ");

       }

*// return flag (true/false)*

return flag;

   }

   public static void welcome() {

*// prints a welcome sign to welcome users*

System.*out*.print("+");

       for (int dash = 1; dash <=25 ; dash++) {

           System.*out*.print("-");

       }

       System.*out*.println("+");

       System.*out*.println("|   Welcome to our game!  | ");

       System.*out*.println("|   We hope you enjoy it! | ");

       System.*out*.println("|   Erica, Isabel, Nuha   | ");

       System.*out*.print("+");

       for (int dash = 1; dash <=25 ; dash++) {

           System.*out*.print("-");

       }

       System.*out*.println("+");

   }

}