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\* COMP 2140, Fall 2018

\* Project: Game On!

\*

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\* Section: 2140-1

\*/

import java.util.Scanner;

import java.awt.Color;

class Game {

static Scanner userAnswer = new Scanner(System.in);

static int chances = 3;

//Explain the instructions to the user.

public static void main(String[] args) {

System.out.println("Instructions: Use the clues to help guess the answer. "

+ "If answered correct, move to the next question.");

//Determine if the user is out of chances or if he/she passed.

while (!isOutOfChances()) {

determineAnswer();

String questionOne = askQuestionOne();

String questionTwo = askQuestionTwo();

String questionThree = askQuestionThree();

String questionFour = askQuestionFour();

String questionFive = askQuestionFive();

String questionSix = askQuestionSix();

completeQuestionOneAcross(questionOne);

completeQuestionTwoDown(questionTwo);

completeQuestionThreeAcross(questionThree);

completeQuestionFourDown(questionFour);

completeQuestionFiveAcross(questionFive);

completeQuestionSixDown(questionSix);

}

System.out.println("You completed all the questions! Next level");

}

/\*\*

\* Takes away one chance from the player if he/she answers

\* the question wrong.

\*

\*/

public static void determineAnswer() {

//Determine how many chances the user has remaining.

if (chances <= 3) {

chances--;

System.out.printf("Incorrect. You have %d chances left.\n", chances);

} else {

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

}

}

/\*\*

\* Gives the user the first clue to answer the question.

\*

\* @return The clue needed to answer the first question.

\*/

public static String askQuestionOne() {

//Give the user the first clue to answer the question.

System.out.println("1. This color has the same name as "

+ "a fruit that is a shade of green");

return userAnswer.nextLine();

}

/\*\*

\* Determines if the user entered the correct word or not for the first question.

\*

\* @param answer Gives whatever word the user puts in.

\* @return If the answer is correct or wrong.

\*/

public static String completeQuestionOneAcross(String answer) {

//Figures out if the input is correct or not.

switch (answer) {

case "lime":

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

break;

default:

System.out.printf("Incorrect. You have %d tries left.\n", chances);

}

return answer;

}

/\*\*

\* Gives the user the second clue to answer the question.

\*

\* @return The clue needed to answer the second question.

\*/

public static String askQuestionTwo() {

//Gives the user the second clue to answer the question.

System.out.println("2. Leprachauns love this object");

return userAnswer.nextLine();

}

/\*\*

\* Determines if the user entered the correct word or not for the second question.

\*

\* @param answer Gives whatever word the user puts in.

\* @return If the answer is correct or wrong.

\*/

public static String completeQuestionTwoDown(String answer2) {

//Figures out if the input is correct or not.

String answerTwo = userAnswer.nextLine();

switch (answer2) {

case "gold":

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

break;

default:

System.out.printf("Incorrect. You have %d tried left.\n", chances);

return answerTwo;

}

return userAnswer.nextLine();

}

/\*\*

\* Gives the user the third clue to answer the question.

\*

\* @return The clue needed to answer the third question.

\*/

public static String askQuestionThree() {

//Gives the user the third clue to answer the question.

System.out.println("3. Money is this color");

return userAnswer.nextLine();

}

/\*\*

\* Determines if the user entered the correct word or not for the third question.

\*

\* @param answer Gives whatever word the user puts in.

\* @return If the answer is correct or wrong.

\*/

public static String completeQuestionThreeAcross(String answer3) {

//Figures out if the input is correct or not.

String answerThree = userAnswer.nextLine();

switch (answerThree) {

case "green":

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

break;

default:

chances--;

System.out.println("Incorrect. Try again.");

}

return userAnswer.nextLine();

}

/\*\*

\* Gives the user the fourth clue to answer the question.

\*

\* @return The clue needed to answer the fourth question.

\*/

public static String askQuestionFour() {

//Gives the player the clue to answer the fourth question.

System.out.println("4. This color has the same name as a "

+ "purple-like plant");

return userAnswer.nextLine();

}

/\*\*

\* Determines if the user entered the correct word or not for the fourth question.

\*

\* @param answer Gives whatever word the user puts in.

\* @return If the answer is correct or wrong.

\*/

public static String completeQuestionFourDown(String answer4) {

//Figures out if the input is correct or not.

String answerFour = userAnswer.nextLine();

switch (answerFour) {

case "lavender":

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

break;

default:

chances--;

System.out.printf("Incorrect. You have %d tries left.\n", chances);

}

return userAnswer.nextLine();

}

/\*\*

\* Gives the user the fifth clue to answer the question.

\*

\* @return The clue needed to answer the fifth question.

\*/

public static String askQuestionFive() {

//Gives the player the clue to answer the fifth question.

System.out.println("5. This is a popular color associated "

+ "with Halloween");

return userAnswer.nextLine();

}

/\*\*

\* Determines if the user entered the correct word or not for the fifth question.

\*

\* @param answer Gives whatever word the user puts in.

\* @return If the answer is correct or wrong.

\*/

public static String completeQuestionFiveAcross(String answer5) {

//Figures out if the input is correct or not.

String answerFive = userAnswer.nextLine();

switch (answerFive) {

case "orange":

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

break;

default:

chances--;

System.out.printf("Incorrect. You have %d tries left.\n", chances);

}

return userAnswer.nextLine();

}

/\*\*

\* Gives the user the sixth clue to answer the question.

\*

\* @return The clue needed to answer the sixth question.

\*/

public static String askQuestionSix() {

//Gives the player the clue to answer the sixth question.

System.out.println("6. The same color as a siren on "

+ "a police officer's car");

return userAnswer.nextLine();

}

/\*\*

\* Determines if the user entered the correct word or not for the sixth question.

\*

\* @param answer Gives whatever word the user puts in.

\* @return If the answer is correct or wrong.

\*/

public static String completeQuestionSixDown(String answer6) {

//Figures out if the input is correct or not.

String answerSix = userAnswer.nextLine();

switch (answerSix) {

case "red":

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

break;

default:

chances--;

System.out.printf("Incorrect. You have %d tries left.\n", chances);

}

return userAnswer.nextLine();

}

/\*\*

\* Determines if the player is out of tries.

\*

\* @return If the game is over or not.

\*/

public static boolean isOutOfChances() {

return chances <= 0;

}

}