

CSC 20 – Lab 1 - Week 9/1

Write a modular program in a class called *MagicBall* that asks the user to enter a question and gives a “Crystal Ball” like answer. e.g If the user enters “Will I get an A in the class”, the answer may be “Hard work pays off!”. The specifications are:

- User repeatedly asks questions and terminates program by hitting enter
- User can enter any question, valid or not (there is no input validation, strings are assumed)
- The program reads answers from a file called “answers.txt” that you need to create with interesting answers. Each answer is on a separate line, You may use the sample file given.
- The answers are stored in a one-dimensional string array called *answers* of SIZE 20 (constant)
- The main method calls two static methods called
 - *readAnswers()* // read answers from file and store answers in array, keep *count* of actual number of elements. This number should be less than 20.
 - *playGame()* // use a while loop to repeatedly ask user to enter a question
// use a random number generator to generate a random integer between 0
// and *count-1* to randomly select an answer from the array *answer*
// *Random rand = new Random()* creates a random object

You will need to import `java.util.Scanner` and `java.io`.