```
Aaribusiness.swift
    FBLA-QuizME
import Foundation
import UIKit
class Agribusiness: UIViewController {
   @IBOutlet weak var QuestionLabel: UILabel!
   @IBOutlet weak var Answer1: UIButton!
   @IBOutlet weak var Answer2: UIButton!
   @IBOutlet weak var Answer3: UIButton!
   @IBOutlet weak var Answer4: UIButton!
   @IBOutlet weak var NextQuestion: UIButton!
   @IBOutlet weak var ScoreLabel: UILabel!
   var randomQuestionArray:[Int] = [0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12]
    override func viewDidLoad() {
        super.viewDidLoad()
        NextQuestion.isHidden = true
        Answer1.layer.borderWidth=1
        Answer1.layer.borderColor=UIColor.darkGray.cgColor
        Answer1.layer.cornerRadius=5
        Answer2.layer.borderWidth=1
        Answer2.layer.borderColor=UIColor.darkGray.cgColor
        Answer2.layer.cornerRadius=5
        Answer3.layer.borderWidth=1
        Answer3.layer.borderColor=UIColor.darkGray.cgColor
        Answer3.layer.cornerRadius=5
        Answer4.layer.borderWidth=1
        Answer4.layer.borderColor=UIColor.darkGray.cgColor
        Answer4.layer.cornerRadius=5
        Answer1Correct = false
        Answer2Correct = false
        Answer3Correct = false
        Answer4Correct = false
        RandomQuestions()
        ScoreNumber = 0
    }
    override func didReceiveMemoryWarning() {
        super.didReceiveMemoryWarning()
        // Dispose of any resources that can be recreated.
```

```
func rightAnswer() {
         NextQuestion.isHidden = false
         ScoreNumber = Int(ScoreNumber) + 2
         ScoreLabel.text = String(format: "%i", ScoreNumber)
     }
     func wrongAnswer() {
         ScoreNumber = Int(ScoreNumber) - 1
         ScoreLabel.text = String(format: "%i", ScoreNumber)
     }
     func RandomQuestions(){
         Answer1.isEnabled = true
          Answer2.isEnabled = true
          Answer3.isEnabled = true
          Answer4.isEnabled = true
         // This makes randomIndex represent the number of questions available for this
         let randomIndex = Int(arc4random uniform(UInt32(randomQuestionArray.count)))
answered
         if randomQuestionArray.count > -1 {
              switch (randomQuestionArray[randomIndex]) {
              case 0:
                   QuestionLabel.text = "The best strategy for handling a "know-it-all"
customer is:"
                   Answer1.setTitle("telling him/her you know it all", for: .normal)
Answer2.setTitle("telling him/her that you don't agree with him/her",
for: .normal)
                   Answer3.setTitle("not being argumentative with the customer", for:
.normal)
                   Answer4.setTitle("asking the customer to leave", for: .normal)
                   Answer3Correct = true
              case 1:
QuestionLabel.text = "document that describes the type of competition a business will face and the types of customers the business hopes to attract"
                   Answer1.setTitle("management plan", for: .normal)
Answer2.setTitle("financial plan", for: .normal)
Answer3.setTitle("operating plan", for: .normal)
Answer4.setTitle("legal plan", for: .normal)
                   Answer1Correct = true
              case 2:
                   QuestionLabel.text = "Which of the following is considered an
agribusiness product?"
                   Answer1.setTitle("Corn grown for the USA market", for: .normal)
                   Answer2.setTitle("Soybeans to be exported", for: .normal)
                   Answer3.setTitle("Cotton", for: .normal)
Answer4.setTitle("All of the above", for: .normal)
                   Answer4Correct = true
              case 3:
                   QuestionLabel.text = "The demand for most farm commodities is:"
```

```
Answer1.setTitle("growing more rapidly than supply", for: .normal)
                        Answer2.setTitle("inelastic", for: .normal)
                       Answer3.setTitle("decreasing over time", for: .normal)
Answer4.setTitle("a relatively flat downwards sloping line", for:
.normal)
                        Answer2Correct = true
                  case 4:
                        QuestionLabel.text = "Seed and chemicals are considered as which type
of agribusiness industries?'
                        Answer1.setTitle("Support.", for: .normal)
                        Answer2.setTitle("Output", for: .normal)
                        Answer3.setTitle("Production", for: .normal)
                        Answer4.setTitle("Input", for: .normal)
                        Answer4Correct = true
                  case 5:
                        QuestionLabel.text = "The process of determining the best way to
approach a particular goal is called"
                        Answer1.setTitle("Planning", for: .normal)
                        Answer2.setTitle("Organizing", for: .normal)
                        Answer3.setTitle("Leading", for: .normal)
                        Answer4.setTitle("Controlling", for: .normal)
                        Answer1Correct = true
                  case 6:
                        QuestionLabel.text = "Solvency of a business can be determined by
evaluating the:"
                       Answer1.setTitle("cash flow statement", for: .normal)
Answer2.setTitle("debt to equity ratio", for: .normal)
Answer3.setTitle("price to earning ratio", for: .normal)
                        Answer4.setTitle("net income", for: .normal)
                        Answer2Correct = true
                  case 7:
                        QuestionLabel.text = "Vertical integration is most common in which of
the following agricultural enterprises?"

Answer1.setTitle("horses", for: .normal)

Answer2.setTitle("beef", for: .normal)

Answer3.setTitle("grain", for: .normal)

Answer4.setTitle("poultry", for: .normal)
                        Answer4Correct = true
                  case 8:
                       QuestionLabel.text = "Cattle futures are publicly traded on the:"
Answer1.setTitle("New York Stock Exchange", for: .normal)
Answer2.setTitle("NASDAQ", for: .normal)
Answer3.setTitle("Chicago Board of Trade", for: .normal)
Answer4.setTitle("none of the above", for: .normal)
                        Answer3Correct = true
                  case 9:
                        QuestionLabel.text = "The demand for pork is determined by: "
Answer1.setTitle("The price of pork", for: .normal)
Answer2.setTitle("Income of the purchaser", for: .normal)
Answer3.setTitle("The prices of substitute products", for: .normal)
                        Answer4.setTitle("all of the above.", for: .normal)
                        Answer4Correct = true
                  case 10:
                        QuestionLabel.text = "A dairy cow held for breeding and production
purposes is known as a:'
                        Answer1.setTitle("short-term asset", for: .normal)
Answer2.setTitle("intermediate asset", for: .normal)
                        Answer3.setTitle("capital asset", for: .normal)
Answer4.setTitle("long-term liability", for: .normal)
                        Answer4Correct = true
                  case 11:
```

```
QuestionLabel.text = "Which of the following business types allows the
most liability protection for the owners?"
                    Answer1.setTitle("partnership", for: .normal)
                    Answer2.setTitle("sole proprietorship", for: .normal)
                    Answer3.setTitle("corporation", for: .normal)
                    Answer4.setTitle("none of the above", for: .normal)
                    Answer3Correct = true
               case 12:
                    QuestionLabel.text = "Which of the following is the equation for
determining net worth?"
                    Answer1.setTitle("Net Worth = Assets - Liabilities", for: .normal)
                    Answer2.setTitle("Net Worth = Assets + Liabilities", for: .normal)
Answer3.setTitle("Net Worth = Assets / Liabilities", for: .normal)
Answer4.setTitle("Net Worth = Liabilities - Assets", for: .normal)
                    Answer4Correct = true
               default:
                    break
               randomQuestionArray.remove(at: randomIndex)
          }
          if (randomQuestionArray.count < 1) {</pre>
               let alert = UIAlertController(title: "Wow!", message: "You have reached
the last question for Agribusiness! Nice Job! Complete this question and then click on
 Your Score' for a rating!", preferredStyle: .alert)
               alert.addAction(UIAlertAction(title: "Continue", style: .default, handler:
{ action in
                    switch action.style{
                    case .default:
                         print("default")
                    case .cancel:
                         print("cancel")
                    case .destructive:
                         print("destructive")
                    }}))
               self.present(alert, animated: true, completion: nil)
               NextQuestion isEnabled = false
          }
          if (randomQuestionArray.count == 0) {
let alert = UIAlertController(title: "Wow!", message: "You got \(ScoreNumber) out of 13 questions correct nice job! To see a detailed breakdown of your score, click-Your Score-next to your score number.", preferredStyle: .alert) alert.addAction(UIAlertAction(title: "Continue", style: .default, handler:
{ action in
                    switch action.style{
                    case .default:
                         print("default")
                    case .cancel:
                         print("cancel")
                    case .destructive:
                         print("destructive")
               self.present(alert, animated: true, completion: nil)
     }
```

```
@IBAction func Answer1(_ sender: Any) {
    if Bool(Answer1Correct) == true {
        rightAnswer()
        Answer1.layer.backgroundColor = UIColor.green.cgColor
        Answer1.isEnabled = false
        Answer2.isEnabled = false
        Answer3.isEnabled = false
        Answer4.isEnabled = false
    } else {
        wrongAnswer()
        Answer1.layer.backgroundColor = UIColor.red.cgColor
        Answer1.isEnabled = false
    }
}
@IBAction func Answer2(_ sender: Any) {
    if Bool(Answer2Correct) == true {
        rightAnswer()
        Answer2.layer.backgroundColor = UIColor.green.cgColor
        Answer2.isEnabled = false
        Answer1.isEnabled = false
        Answer3.isEnabled = false
        Answer4.isEnabled = false
    } else {
        wrongAnswer()
        Answer2.layer.backgroundColor = UIColor.red.cgColor
        Answer2.isEnabled = false
    }
}
@IBAction func Answer3(_ sender: Any) {
    if Bool(Answer3Correct) == true {
        rightAnswer()
        Answer3.layer.backgroundColor = UIColor.green.cgColor
        Answer3.isEnabled = false
        Answer1.isEnabled = false
        Answer2.isEnabled = false
        Answer4.isEnabled = false
    } else {
        wrongAnswer()
        Answer3.layer.backgroundColor = UIColor.red.cgColor
        Answer3.isEnabled = false
    }
@IBAction func Answer4(_ sender: Any) {
    if Bool(Answer4Correct) == true {
        rightAnswer()
        Answer4.layer.backgroundColor = UIColor.green.cgColor
        Answer4.isEnabled = false
        Answer1.isEnabled = false
        Answer2.isEnabled = false
        Answer3.isEnabled = false
    } else {
        wrongAnswer()
        Answer4.layer.backgroundColor = UIColor.red.cgColor
        Answer4.isEnabled = false
```

```
// Resets the colors and answers and generates another question
@IBAction func NextQuestion(_ sender: Any) {
    Answer1.layer.backgroundColor = UIColor.white.cgColor
    Answer2.layer.backgroundColor = UIColor.white.cgColor
    Answer3.layer.backgroundColor = UIColor.white.cgColor
    Answer4.layer.backgroundColor = UIColor.white.cgColor
    NextQuestion.isHidden = true
    Answer1Correct = false
    Answer2Correct = false
    Answer3Correct = false
    Answer4Correct = false
    RandomQuestions()
}
```