```
IntroToBusinessProcedures.swift
    FBLA-QuizME
import Foundation
import UIKit
import MessageUI
class IntroToBusinessProcedures: 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()
```

```
}
     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 = "What Microsoft Access database object allows
                            Answer1.setTitle("Table", for: .normal)
Answer2.setTitle("Form", for: .normal)
Answer3.setTitle("Query", for: .normal)
Answer4.setTitle("Report", for: .normal)
                            Answer2Correct = true
                      case 1:
                            QuestionLabel.text = "What database element would be used to
automatically insert parentheses and dashes into a phone number?"

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

Answer2.setTitle("Input mask", for: .normal)

Answer3.setTitle("Lookup wizard", for: .normal)

Answer4.setTitle("Primary key", for: .normal)
                            Answer2Correct = true
                      case 2:
                            QuestionLabel.text = "What type of network is used to link
computers together over a great distance?"
                           Answer1.setTitle("Local area network", for: .normal)
Answer2.setTitle("Wide area network", for: .normal)
Answer3.setTitle("Geographical area network", for: .normal)
Answer4.setTitle("Storage area network", for: .normal)
                            Answer2Correct = true
                      case 3:
                            QuestionLabel.text = "Which of the following is not a type in
Microsoft Access?"
```

```
Answer1.setTitle("Hyperlink", for: .normal)
                             Answer2.setTitle("Text", for: .normal)
Answer3.setTitle("E-mail Address", for: .normal)
                             Answer4.setTitle("Date/Time", for: .normal)
                             Answer3Correct = true
                             QuestionLabel.text = "Which of the following is a complete
                             Answer1.setTitle("htp://www.tvworld.com", for: .normal)
                             Answer2.setTitle("http://ww.tvworld.com", for: .normal)
                             Answer3.setTitle("www.tvworld.com", for: .normal)
                             Answer4.setTitle("http://www.tvworld.com", for: .normal)
                             Answer4Correct = true
                       case 5:
                             QuestionLabel.text = "What type of mail offers one-tothree-day
service to most domestic locations?"
                             Answer1.setTitle("Priority mail", for: .normal)
Answer2.setTitle("Express mail", for: .normal)
                             Answer3.setTitle("Bulk mail", for: .normal)
                             Answer4.setTitle("Third-class mail", for: .normal)
                             Answer1Correct = true
                       case 6:
                             QuestionLabel.text = "What part of an e-mail address follows the @
symbol?"
                             Answer1.setTitle("Domain", for: .normal)
                             Answer2.setTitle("Username", for: .normal)
Answer3.setTitle("Separator", for: .normal)
Answer4.setTitle("Extension", for: .normal)
                             Answer1Correct = true
                       case 7:
                             QuestionLabel.text = "The process of sendinginformation from your
computer to the Internet is known as'
                             Answer1.setTitle("linking", for: .normal)
Answer2.setTitle("downloading", for: .normal)
Answer3.setTitle("saving", for: .normal)
Answer4.setTitle("uploading", for: .normal)
                             Answer4Correct = true
                       case 8:
                             QuestionLabel.text = "Salary increases and promotions are an
example of _
                             motivation.
                             Answer1.setTitle("managerial", for: .normal)
Answer2.setTitle("extrinsic", for: .normal)
Answer3.setTitle("intrinsic", for: .normal)
Answer4.setTitle("ganizational", for: .normal)
                             Answer2Correct = true
                       case 9:
                             QuestionLabel.text = "MBO is a human relations term that means"
                             Answer1.setTitle("management by objectives.", for: .normal)
Answer2.setTitle("managing by opinions.", for: .normal)
Answer3.setTitle("management by organization.", for: .normal)
Answer4.setTitle("management between organizations.", for:
.normal)
                             Answer1Correct = true
                       case 10:
                             QuestionLabel.text = "An official document that certifies the
                            Answer1.setTitle("itinerary", for: .normal)
Answer2.setTitle("international ID", for: .normal)
Answer3.setTitle("agenda", for: .normal)
Answer4.setTitle("passport", for: .normal)
                             Answer4Correct = true
```

```
case 11:
                          QuestionLabel.text = "Of the following statements, which is not
effective job training?"
                          Answer1.setTitle("Relate previously developed knowledge", for:
.normal)
                          Answer2.setTitle("Complete training in long periods of time", for:
.normal)
                          Answer3.setTitle("Explain why as well as how something is done",
for: .normal)
                          Answer4.setTitle("Letting the trainee become comfortable", for:
.normal)
                          Answer2Correct = true
                     case 12:
                          QuestionLabel.text = "The fastest mail delivery offered by the
United States Postal Service is"
                          Answer1.setTitle("express mail.", for: .normal)
Answer2.setTitle("priority mail.", for: .normal)
Answer3.setTitle("quick mail.", for: .normal)
                          Answer4.setTitle("important mail.", for: .normal)
                          Answer1Correct = 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 Introduction to Business Procedures! 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
```

```
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()
}
```