```
//
//  FirstViewController.swift
//  Gas Mileage Tracker
//
//  Created by Jacob Brauchler on 2/18/15.
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//


import UIKit

class FirstViewController: UIViewController, UITextFieldDelegate
{

    // initialise variables
    @IBOutlet weak var gallons: UITextField!
    var gallonsTotal: Float32!
    @IBOutlet weak var miles: UITextField!
    var milesDriven: Float32!
    var calculation: Float32!
    var calculationString: String!

    @IBOutlet weak var Calculation: UILabel!



override func viewDidLoad() {
        super.viewDidLoad()
        // Do any additional setup after loading the view,
typically from a nib.
    /**
    <#Description#> Do any additional setup after loading the
view, typically from a nib.
    */
    }

override func didReceiveMemoryWarning() {
        super.didReceiveMemoryWarning()
        // Dispose of any resources that can be recreated.
    /**
    <#Description#> Dispose of any resources that can be
recreated.

    :param: touches <#touches description#>
    :param: event   <#event description#>
    */
    }


override func touchesBegan(touches: NSSet, withEvent event:
```

```
UIEvent) {
        self.view.endEditing(true)
    /**
    <#Description#> when button is presed, close keyboard, get
variables, calculate mpg
    */

    }

    //when button is presed, close keyboard, get variables,
calculate mpg
    @IBAction func Calculate() {
        self.view.endEditing(true)
        getVariables()
        calculategasmileage()
        let calculationString = NSString(format: "%.2f",
calculation)
        self.Calculation.text = calculationString
        /**
        <#Description#> Calculate
        */



    }

    //get string from UITextField
    func getVariables(){
        //get desired string from UITextField convert to int
        milesDriven = (miles.text as NSString).floatValue
        gallonsTotal = (gallons.text as NSString).floatValue
        /**
        <#Description#> get desired string from UITextField
convert to int

        :returns: <#return value description#>
        */
    }


    func calculategasmileage() -> Float32 {
        calculation = milesDriven / gallonsTotal
        println(calculation)
        return calculation
        /**
        *  <#Description#> Calculate float
        */

    }
}
```

```swift
//
//  SecondViewController.swift
//  Gas Mileage Tracker
//
//  Created by Jacob Brauchler on 2/18/15.
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//

import UIKit

class SecondViewController: UIViewController {

    @IBOutlet weak var TableView: UITableView!
    var milesDriven: Float32!
    var calculation: Float32!
    var gallonsTotal: Float32!
    var sortedKeys:[Int] = []
    override func viewDidLoad() {
        super.viewDidLoad()
        // Do any additional setup after loading the view,
typically from a nib.
        /**
        <#Description#> Do any additional setup after loading the
view, typically from a nib.
        */
    }

    override func didReceiveMemoryWarning() {
        super.didReceiveMemoryWarning()
        // Dispose of any resources that can be recreated.
        /**
        *  <#Description#> Dispose of any resources that can be
recreated.
        *
        *  @param UITableView <#UITableView description#>
        *  @param Int         <#Int description#>
        *
        *  @return <#return value description#>
        */
    }
    //http://www.raywenderlich.com/75289/swift-tutorial-part-3-
tuples-protocols-delegates-table-views
    //hey guys I found code similar to what I think we want to
do, I got started but don't have it working quite yet.
    //func tableView(tableView: UITableView,
numberOfRowsInSection section: Int) -> Int {
       // return sortedKeys.count
    //}
```

```
    func TableView(TableView: UITableView, cellForRowAtIndexPath
indexPath: NSIndexPath) -> UITableViewCell {
        let cell = UITableViewCell(style:
UITableViewCellStyle.Value2, reuseIdentifier: nil)


        cell.textLabel?.text = "\(calculation)%:"
        cell.detailTextLabel?.text = String(format:"milesDriven:
$%0.2f, gallonsTotal: $%0.2f, calculation",milesDriven,
gallonsTotal, calculation)
        return cell
        /**
        *  <#Description#> load table
        */
    }


}
```