Alert View

```
let alet = UIAlertController(title: "Alert Title", message: "Alert Message", preferredStyle: .alert)
alet.addAction(UIAlertAction(title: "Error", style: .cancel, handler: nil))
self.present(alet, animated: true)
```

Picker View

```
class ViewController:
UIViewController,UIPickerViewDelegate,UIPickerViewDataSource {
    func numberOfComponents(in pickerView: UIPickerView) -> Int {
        return 1
    }

    func pickerView(_ pickerView: UIPickerView, numberOfRowsInComponent
component: Int) -> Int {
        return list.count
    }

    func pickerView(_ pickerView: UIPickerView, titleForRow row: Int, forComponent
component: Int) -> String? {
        return list[row]
    }

    func pickerView(_ pickerView: UIPickerView, didSelectRow row: Int, inComponent
component: Int) {
        country.text = list[row]
        country.resignFirstResponder()
    }

    var list = ["India","US","Dubai","Japan","Australia","England"]
    @IBOutlet weak var dob: UITextField!
    @IBOutlet weak var country: UITextField!
    let picker = UIPickerView()
    let datepicker = UIDatePicker()
    override func viewDidLoad() {
        super.viewDidLoad()
        picker.dataSource=self
        picker.delegate=self
        country.inputView=picker
        dob.inputView=datepicker
        datepicker.addTarget(self, action: #selector(selectdate), for: .valueChanged)

    }

    @objc func selectdate()
    {
```

```
        let formatter = DateFormatter()
        formatter.dateFormat = "dd-MMM-YYYY"
        dob.text="\(formatter.string(from: datepicker.date))"
        dob.resignFirstResponder()
    }


}
```

Post Data

```
func insert_data()
    {

        let myUrl = URL(string: "https://bland-chip.000webhostapp.com/insert.php")

        var myRequest = URLRequest(url: myUrl!)

        myRequest.httpMethod = "POST"

        let parameter:[String:Any] =
["name":name.text!,"surname":sname.text!,"city":city.text!]

        myRequest.httpBody = parameter.percentEncoded()

        let task = try! URLSession.shared.dataTask(with: myRequest)
        {
            (mydata,URLResponse,Error) in
            print(URLResponse)
        }
        task.resume()


    }
```

Insert Data

```
var iname = [String]()
    var isurname = [String]()
    var icity = [String]()

    func show_data()
    {
        let myUrl = URL(string: "https://bland-chip.000webhostapp.com/fetch.php")
        var myRequest = URLRequest(url: myUrl!)

        myRequest.httpMethod = "GET"
```

```
        let task = try! URLSession.shared.dataTask(with: myRequest)
        { (myData,URLResponse,Error) in

            let jsonData = try! JSONSerialization.jsonObject(with: myData!) as! [String:Any]

            let infoArray = jsonData["info"] as! NSArray

            let nameArray = infoArray.value(forKey: "name")

            self.iname = nameArray as! [String]
            print(self.iname)

            let surnameArray = infoArray.value(forKey: "surname")
            self.isurname = surnameArray as! [String]
            print(self.isurname)

            let cityArray = infoArray.value(forKey: "city")
            self.icity = cityArray as! [String]
            print(self.icity)

        }
        task.resume()
    }



}
```

WebView

```
class ViewController: UIViewController {

    @IBOutlet weak var wb: UIWebView! // outlet of webview
    @IBOutlet weak var txt: UITextField!// outlet of  textfield
    override func viewDidLoad() {
        super.viewDidLoad()
    }
    func open(web : String)
    {
        let a = URL(string: web)
        wb.loadRequest(URLRequest(url: a!))
    }
    @IBAction func btn(_ sender: Any) {
        open(web: txt.text!)
    }
}
```

Indicator View

```
class ViewController: UIViewController {

    @IBOutlet weak var indicatorview: UIActivityIndicatorView!
    @IBOutlet weak var myimageview: UIImageView!
    override func viewDidLoad() {
        super.viewDidLoad()
        // Do any additional setup after loading the view.
    }

    @IBAction func submit(_ sender: Any) {
        indicatorview.isHidden = false
        dogs()
    }
    func dogs()
    {
        let myUrL = URL(string: "https://dog.ceo/api/breeds/image/random")
        var myRequest = URLRequest(url: myUrL!)
        myRequest.httpMethod = "GET"

        let task = try! URLSession.shared.dataTask(with: myRequest)
        {(mydata,URLResponse,Error) in

            let jsonData = try! JSONSerialization.jsonObject(with: mydata!) as!
[String:Any]

            let msgData = jsonData["message"] as! String
            print(msgData)
            DispatchQueue.main.async {
                let dogurl = URL(string: msgData)
                let imgdata = try! Data(contentsOf: dogurl!)
                self.myimageview.image = UIImage(data: imgdata)
                self.indicatorview.isHidden = true
            }
            print(msgData)
        }
        task.resume()
    }

}
```

Collection View

```
class ViewController: UIViewController, UICollectionViewDataSource,
UICollectionViewDelegate {
    @IBOutlet weak var inp: UILabel!
```

```
    @IBOutlet weak var out: UILabel!
    var numbers = ["1","2","3","4","5","6","7","8","9","0",".","Cls"]

    func collectionView(_ collectionView: UICollectionView,
numberOfItemsInSection section: Int) -> Int {
     return numbers.count
    }

    func collectionView(_ collectionView: UICollectionView, cellForItemAt
indexPath: IndexPath) -> UICollectionViewCell {
        let cell = collectionView.dequeueReusableCell(withReuseIdentifier:
"myCell", for: indexPath) as! myCollectionViewCell
        cell.mylabel.text = numbers[indexPath.row]
        return cell
    }
    var temp = ""
    func collectionView(_ collectionView: UICollectionView, didSelectItemAt
indexpath: IndexPath)
    {
        print(indexpath.row)
        temp.append(contentsOf: numbers[indexpath.row])
        inp.text = temp
        if(indexpath.row != 11)
        {
            calculate(amount: temp)
        }
        if(indexpath.row == 11)
        {
            temp = ""
            inp.text = "0"
            out.text="0"
        }
    }
```

Segue

```
class ViewController: UIViewController {

    @IBOutlet weak var pass: UITextField!
    @IBOutlet weak var name: UITextField!
    @IBOutlet weak var id: UITextField!
    override func viewDidLoad() {
```

```
        super.viewDidLoad()

    }
    @IBAction func submit(_ sender: Any) {

        let alert =  UIAlertController(title: "warning", message: "Do You want
to store data", preferredStyle: .alert)
        alert.addAction(UIAlertAction(title: "Yes", style: .default, handler:
{ACTION in self.store_data()
            print("Data Stored")
            self.performSegue(withIdentifier: "iBridge", sender: self)
        }))

        alert.addAction(UIAlertAction(title: "No", style: .destructive,
handler: nil))
        self.present(alert,animated: true)


    }

    func store_data()
    {
        UserDefaults.standard.set(name.text, forKey: "username")
        UserDefaults.standard.set(id.text, forKey: "uid")
        UserDefaults.standard.set(pass.text, forKey: "pass")



    }

}


class myViewController: UIViewController {

    @IBOutlet weak var pass: UITextField!
    @IBOutlet weak var name: UITextField!
    override func viewDidLoad() {
        super.viewDidLoad()

        // Do any additional setup after loading the view.
    }

    @IBAction func login(_ sender: Any) {
        check_data()
    }
```

```
    func check_data(){

        if(name.text! == UserDefaults.standard.string(forKey: "uid") && pass.text! ==
UserDefaults.standard.string(forKey: "pass"))
        {
            let alert = UIAlertController(title: "Congo", message: "Login Sucessfully",
preferredStyle: .alert)
            alert.addAction(UIAlertAction(title: "OK", style: .default, handler: nil))
            self.present(alert,animated: true,completion: nil)



        }
        else
        {
            let alert = UIAlertController(title: "Sorry", message: "Pela Yad kari le pachi
login karaje", preferredStyle: .alert)
            alert.addAction(UIAlertAction(title: "OK", style: .default, handler: nil))
               self.present(alert,animated: true,completion: nil)
        }
    }

}
```