1. Create a project with core data
2. Add entity and add attribute
3. Now on the right side after selecting the entity name select CODGEN- manual/None → then in editor → Create NSEntityManagedObject subclass
4. Now on main.storyboard add text box and a button
5. Now on viewcontroller drag all the textbox outlet and button action
6. Now in button action this code

```
@IBAction func add(_ sender: Any) {
    let context = (UIApplication.shared.delegate as!
AppDelegate).persistentContainer.viewContext

    let newdata = NSEntityDescription.insertNewObject(forEntityName: "Student",
into: context)

    //name = textfield name
    newdata.setValue(name.text, forKey: "name")
    newdata.setValue(number.text, forKey: "number")

    do{
      try! context.save()
      print("Inserted!!")
    }
  }
```

7. Now for display select view controller and add navigation controller from editor → embedded in → Navigation controller
8. Now add new viewcontroller form + symbol and then add table view
9. In table view select all the margins from all 4 sides to 0 and then from inspector select prototype cell to 1
10. Now add label in table view how many attributes you wanna display
11. Create 1 cocoa touch file as TableViewCell
12. Create 1 cocoa touch file as ViewController and name it as ListViewController

13. Select the new viewcontroller top and from the inspector add the class name ListViewController , stoaryboardID as ListViewController and title as ListViewController
14. Now click on prototype cell and name the class it as we gave to tableviewcell and identifier name as tableviewcell
15. Now give the IBOutlet of tableview into listviewcontroller file
16. Now give the IBOutlet of label into tableviewcell
17. Now create Swift file name DBHelper and the below code

```
import Foundation
import CoreData
import UIKit
class DBHelper{

    static var instance = DBHelper()

    let context = (UIApplication.shared.delegate as!
AppDelegate).persistentContainer.viewContext
    func getData() -> [Student]{

        var student = [Student]()
        let fetch = NSFetchRequest<NSManagedObject>(entityName: "Student")
        do{
            student = try! context.fetch(fetch) as! [Student]
        }
        return student
    }
}
```

18. Add UITableViewDelegate,UITableViewDataSource baju maa UIViewController ni
19. Now in Listviewcontroller file write the code

```
import UIKit
class ListViewController:
UIViewController,UITableViewDelegate,UITableViewDataSource {

    var student = [Student]()


    @IBOutlet weak var tableview: UITableView!
    override func viewDidLoad() {
        super.viewDidLoad()
```

```
        student = DBHelper.instance.getData()
    }
    func tableView(_ tableView: UITableView, numberOfRowsInSection section: Int)
-> Int {
        student.count
    }

    func tableView(_ tableView: UITableView, cellForRowAt indexPath: IndexPath) ->
UITableViewCell {

        let cell = tableView.dequeueReusableCell(withIdentifier: "TableViewCell", for:
indexPath)as! TableViewCell

        cell.lblname.text = student[indexPath.row].name
        cell.lbladdress.text = student[indexPath.row].address
        cell.lblcity.text = student[indexPath.row].city
        return cell

    }


}
```