

# ios practical notes

- Dhwani

iOS.

23

MONDAY

(357-008) Week 52

DECEMBER  
2019

pgno.

1. I screen to another → 5 feb, 2 may.
2. picker view → 12 feb.
3. date picker → 21 feb.
4. crud, salter → 26 feb 23
5. core data crud → 8 march.
6. oop style crud → 19 march.
7. Alert Demo → 26
8. Action Sheet → 28
9. Static table + crud → 1 april
10. Navigate with code → 9
11. Image View + Animation → 10
12. App. life Cycle → 13
13. user defaults → 17
14. core data relational → 22 Temp
15. dynamic table → 07 may.
16. core location → 17 may.
17. map demo → 22 may.

SUN 21

MON 22

TUE 23

WED 24

THU 25

FRI 26

SAT 27

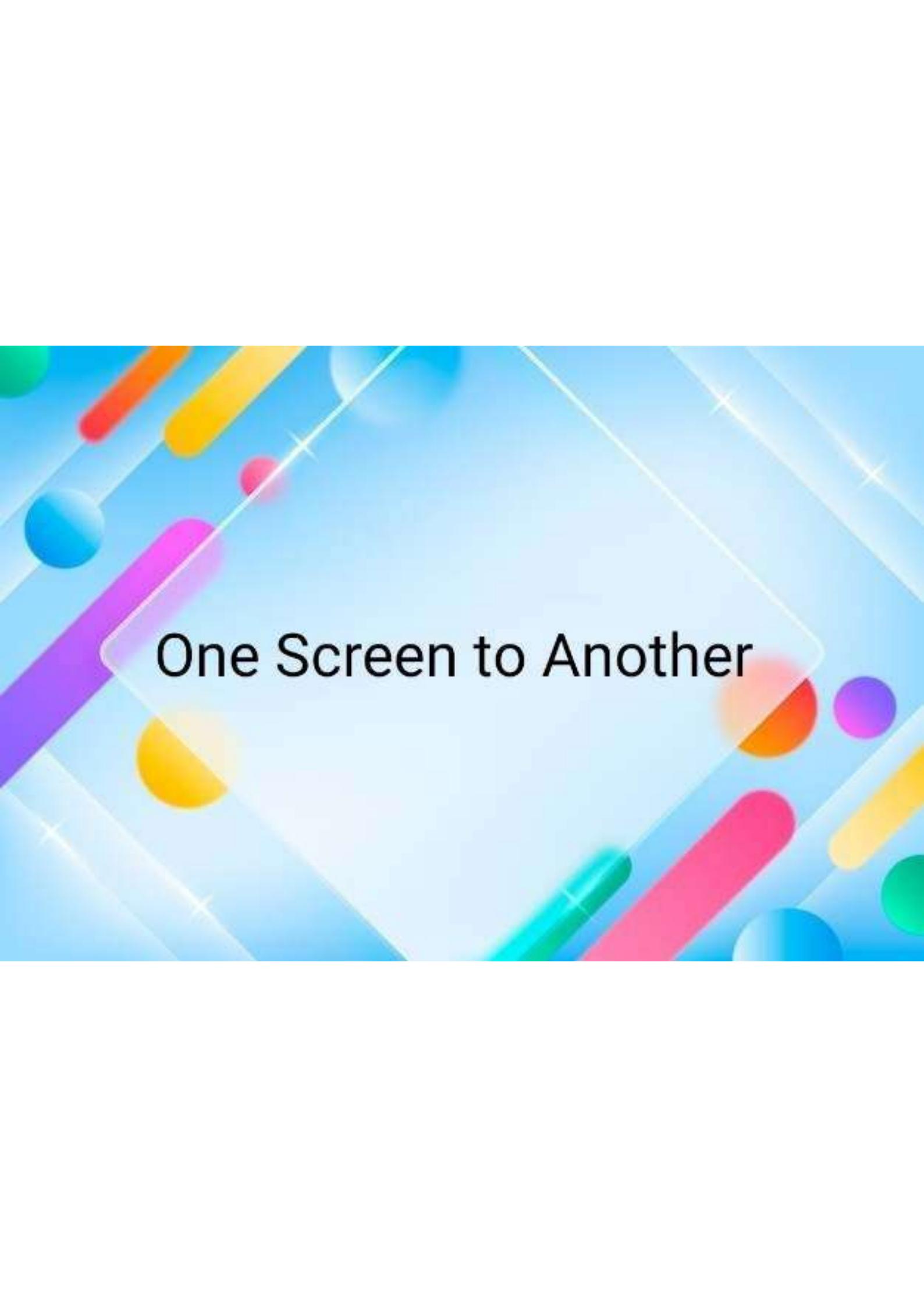
SUN 28

MON 29

TUE 30

DECEMBER 2019

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27	28	29				

The background features a vibrant, abstract design with a light blue gradient. Overlaid on this are several translucent, rounded rectangular shapes in various colors: pink, yellow, orange, red, and purple. These shapes overlap and are set against a backdrop of thin, glowing white lines that resemble light rays or streaks of light. A few small, bright white stars are scattered across the scene.

**One Screen to Another**

One Screen To Another.

FEBRUARY  
2019

TUESDAY 05

(036-329) Week 06

xcode → file

iOS → App template → Product Name ;

Interface : Storyboard ;

Language : Swift ;

unchecked  → next

create own folder → finish

Select Main storyboard Provides  
views)

Select screen click → right side view

Background

MARCH 2019

S	M	T	W	T	F	S
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7	8	9	10	11	12	13
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21	22	23	24	25	26	27
28	29	30				

above main menu.

# 06 WEDNESDAY

(037-328) Week 06

FEBRUARY  
2019

View → Obj library → Button  
Contact Drag & Drop.

goto Attribute of button change size  
but size.

\* to move to next screen.

view → obj lib → select controller →  
Drag Drop → tap screen.  
change color.

Press ctrl key button (select  
to another screen. → will  
come. choose show.

\* goto main storyboard. C (H.S.)

Select 1st screen → goto editor  
menu (up side) →  
Embed in → navigation  
controller.

FEBRUARY 2019

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FEBRUARY  
2019

07  
THURSDAY

(038-327) Week 06

this will add back button automatic.

X

N

N

X

←

- X view Controller in Source code ↗
- ↓ main in User Interface ↗
- ↓ nib file (means) is ↗

fst

Select Screen → View menu →  
show library → Label.

[Want to change text at run time]

change label name (design time)

Need to create IBoutlet library

Add to Editor (on right) [ ] Examples

open main storyboard on

fst layout (in orientation with c)

dragging a series of outlets

① navigator left, go out ↗

Info ↗

MARCH 2019

S	M	T	W	T	F	S
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

MARCH

APRIL

$$a \sin t_2 = ct_2 l + 2$$

08

FRIDAY

(039-326) Week 06

IBOutlets

FEBRUARY  
2019

right layout in view controller open Seg.

right click on screen label  $\rightarrow$   
new referencing outlet drag to  
view controller class then

give label name.

$\Rightarrow$  C Interface builder is helpful ) stands for <sup>outlet</sup>

C ! means  $\rightarrow$  no need to assign any  
thing

In view DidLoad method ( )

if label = "iOS..."

label.text = "iOS..."

then run.

$\Rightarrow$  use to create reference to user interface  
element ( e.g. button, label, textField )  
in view controller class.

FEBRUARY 2019

M	T	W	T	F	S	S
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

$\rightarrow$  this connection allows view  
controller to access & manipulate  
properties of user interface  
element programmatically.

IBOutlet

FEBRUARY  
2019

IBAction : ✓

SATURDAY 09

(040-325) Week 06

Button right click.

touch up Inside drag to after if.  
name change.

select if. text cut & paste here.  
run.

⇒ Stencils for Interface Builder Action.

→ used to create a method / function in view controller class that responds to user interaction with user interface element. (e.g. button tap)

→ connection allows view controller to handle event triggered by user interface element such as SUNDAY 10  
button taps, text field edits.

MARCH

MARCH 2019

S	M	T	W	T	F	S
31					1	2
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

APRIL

I BAction

# Picker View

Delegate → manage component  
Data Source → manage static Array.

FEBRUARY

2019 24/11/24

TUESDAY

12

(043-322) Week 07

file : new project : PickerView.

in storyboard → picker view right click →  
data source → drag to view controller.  
delegate

func pickerView(\_

if component == 0

else return fruits [0] [row]

else return fruits [1] [row]

else return fruits [2] [row]

In View Controller :

In class create static array.

var fruits : [String] = ["Apple",  
"Banana", "Mango"]

MARCH 2019

S	M	T	W	T	F	S
31					1	2
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8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

class View Controller :

UI View Controller ;

PICKER VIEW

MARCH

APRIL

13 WEDNESDAY

(044-321) Week 07

FEBRUARY  
2019

UI Picker View: Delegate &  
DataSource.

- ↳ After, give error on click.
- ⇒ Int → return 1 // 1st method.

Int ⇒ return fruits.count  
// and method.

Another method.

take TitleForRows // just type title.

return fruits [row]

in items DataPicker didSelectRow  
label ati display

take label in view controller.  
right click on label.

FEBRUARY 2019

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25	26	27	28			

Drag Referencing outlet in  
class → before [func]

FEBRUARY  
2019

14  
THURSDAY

(045-320) Week 07

didSelect = select Picker View  
is

label.text = fruits [pickerView.  
selectedRow (in component: 0)]

y

1 for 1st.

\$ To display do picker view )

use multi Dimension Array.

var fruits: [[String]] =

[["Apple", "Banana", "Mango"],  
 ["red", "blue", "green"]]

MARCH

SUNDAY

MARCH 2019

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17	18	19	20	21	22	23
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APRIL

# Date Picker

29/1/24.

FEBRUARY  
2019 Date Picker.

THURSDAY 2

(052-313) Week 08

new project → To top view → show library →  
drag drop label & date picker.

right click referencing Outlet in  
class named corresponding  
dp-label & dp.

date picker screen right click Value Changed  
connect to code named dp-changed.

In IBAction dp-changed.

```
let df = DateFormatter()  
df.dateStyle = DateFormatter.Style.long  
df.dateFormat = "dd/MMM/yy"
```

```
let strDate = df.string(from: dp.date)  
dp-label.text = strDate
```

MARCH

MARCH 2019

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31					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

APRIL

DATE PICKER

The background of the slide features a vibrant, abstract design. It consists of a light blue gradient base with several translucent, overlapping geometric shapes in various colors. These shapes include thick, elongated rectangles in shades of yellow, orange, pink, red, and purple, as well as smaller circles and dots in blue, green, and magenta. Light rays and small white stars are scattered across the background, creating a dynamic and modern feel.

# Sqlite CRUD

CRUD

FEBRUARY  
2019

**TUESDAY**

2

(057-308) Week 09

Xcode → File → New > Project →

IOS ; App → next

Product name → messt → create.

 main

Project Name click LHS: in →

## Build Phases →

Link Binary: with Libraries → +  
↳ Header file click ↴

search sqflite

select (1) libsqlite3.o: tbd & Add.

In View Controller → code type

// impact on the step. //

import SQLite3.DB as DB

up to 3

11 code connection in override functions

// declare — ② step.

MARCH 2019						
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8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

```
var dbPath : String = "myBB.sqlite"
```

Var db : Opaque Pointer ?

CRUD

APRIL

MARCH

Pencil → Select num while waiting.

27

WEDNESDAY

(058-307) Week 09

## DataBase Connection

FEBRUARY  
2019

// step 3 in override func.

let filePath = dry! (2) space (3)  
FileManager (4) enter; dot  
• default (1) dot  
• urls (5) for: in:  
appropriateFor:Create:)

select →

full url code.

• urls (for: documentDirectory (2),  
in: userDomainMask (1),  
appropriateFor: nil (1)  
create: false (2))

• appending (path: dbPath) (1)

if sqlite3\_open(filePath.path, &db) != SQLITE\_OK {  
 print("Error in DB Connection")

else {

print("Database Created...")

FEBRUARY 2019

M	T	W	T	F	S	S
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8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

FEBRUARY  
2019

PLANNER  
Table Creation

THURSDAY

28

(059-306) Week 09

let Create Table = "Create Table If  
not exists student  
rollno INTEGER PRIMARY KEY,  
name TEXT,  
age INTEGER;"

var create\_stmt: Opaque Pointer := nil

if sqlite3\_prepare\_v2(c\_db, CreateTable,  
-1, & create\_stmt, nil)  
== SQLITE\_OK

if sqlite3\_step(create\_stmt)  
== SQLITE\_DONE

point("Table Created")

else

point("Error to create table")

else

point("error in prepare statement")

Sqlite3\_finalize(create\_stmt)

MARCH 2019

S	M	T	W	T	F	S
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17	18	19	20	21	22	23
24	25	26	27	28	29	30

APRIL

01

FRIDAY

(060-305) Week 09

Insert

YR MARCH  
2019

Create Table & Create Stmt

Q121 will be similar changes seen in  
Q121 "same" to simulate table creation  
in SQL.

SQL query changes in Q121

"Insert into tablename" ( )  
values ( ' ', ' ', ' ' )"

at least 3 values

multiple rows" ) using

"Select statement" ) using

MARCH 2019

M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

02

SATURDAY

PLANNER

MARCH  
2019

Display

(061-304) Week 09

You never know before.

let & var same as above just  
name it:

Shows Data → "Select \* from tbname"  
shows - stmt

→ in if

while sqlite 3 - step (shows - stmt)

= = = SQLITE - ROW

to have signification, similarly to

similarly shows in the below

similarly shows you the following

below to work for your Meet

similarly with similarly you have

similarly with the following

similarly with the following

03 SUNDAY

MARCH 2019

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11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

3/21/24  
MARCH  
2019

# SQLite

MONDAY

(063-302) Week 10

sqlite db browser for mac - search

↳ Downloads

mac

mac

DB Browser for SQLite (Intel)

(Apple Silicon)

Search

```
let dirPaths = NSSearchPathForDirectoriesInDomains(.documentDirectory, .userDomainMask, true)
```

```
dirPaths[0] ← T.Dy... and click Help
```

APRIL 2019

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SQLite

05 TUESDAY

MARCH  
2019

(064-301) Week 10

cohen apple silicon db sqflite will  
installed ; open it

- Select DB Browser for SQLite drag to Application
- run ur project → copy path... in main home screen of screen click on 'Go' → Go to folders.
- paste the path (selected) enter.
- right click on myDB → Open with ↴ DB browser with for SQLite will show (Select it)

MARCH 2019

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23	24	25	26	27	28	29
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# Core Data

# Q. Core Data

07

THURSDAY

(066-299) Week 10

MARCH  
2019

## Core Data

ADD

READ

UPDATE

DELETE

iPhone 14 Pro

MARCH 2019

M	T	W	T	F	S	S
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7	8	9	10	11	12	13
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28	29	30	31			

5/2/24

MARCH  
2019

## Core Data.

(APRIL)  
YFRIDAY

(067-298) Week 10

New project → iOS met →

use Core Data done.



(lhs) → graphical user interface will open.

① Add Entity → above entities change name.

② Add Attributes (one attribute is also same)

+ sid : <Integer32>  
sname : String  
sage : <Integer32>

YACMUS01

Core Data Stack created.

→ In App Delegate file → Core Data Stack will show.

↳ right click & jumps to definition..

APRIL 2019

S	M	T	W	T	F	S
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14	15	16	17	18	19	20
21	22	23	24	25	26	27
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09 ADD  
SATURDAY

MARCH  
2019

(068-297) Week 10

note: it includes all objects needed  
to represent a functioning  
core data stack.

① Import `import CoreData`

>Main Iphone Screen

- Add one button named ADD &  
right click - touch up inside, then drag to  
view controller after class  
name: `! addBtn`

② need to manage object Context: (MOC)

(temp data will store here)  
10 SUNDAY

- add-btn code: ②

`let appD = UIApplication.shared`

MARCH 2019

M	T	W	T	F	S	S
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

delegate as ?

AppDelegate

MARCH  
2019

APRIL 11  
MONDAY

(070-295) Week 11

let moc = (appdelegate.persistentContainer.viewContext)

let insertObj = NSEntityDescription.insertNewObject  
for Entity Name:  
"Student",  
into: moc)

insertObj.setValue("1", forKey: "sid")  
insertObj.setValue("Dhivani", forKey: "sname")  
insertObj.setValue("Sage", forKey: "sage")  
insertObj.setValue("2018-07-10", forKey: "date")  
insertObj.setValue(true, forKey: "isMale")

do {  
 insertObj.setValue("1", forKey: "sid")  
 insertObj.setValue("Dhivani", forKey: "sname")  
 insertObj.setValue("Sage", forKey: "sage")  
 insertObj.setValue("2018-07-10", forKey: "date")  
 insertObj.setValue(true, forKey: "isMale")  
}

day! moc.save()

print("Record Inserted...")

let dirPaths = NSSearchPath

APRIL 2019

Directories In Domains

• document Directory,

• user Domain Mask,

true)

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
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12 READ  
TUESDAY

MARCH  
2019

(071-294) Week 11

paint (ColorPaths [0])

⇒ Another Button named **[READ]** (3)

let appD2 = moc2  
use as "add"

let result = NSFetchedResultsController  
<NSFetchedResultsControllerResult>  
entityName : "Student".  
table.

do {

let record = try moc2.  
fetch (result)

for data in record as!

[NSObject]

S

but paint (data.value in

(for key : "sid")!)

MARCH 2019

M	T	W	T	F	S	S
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17	18	19	20	21	22	23
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3  
sname  
sage

MARCH 13  
2019

## DELETE

WEDNESDAY 13

(072-293) Week 11

catch {  
 point C " failed")  
}

g

**DELETE** ⑤

let appD4 ; moc4 ; gr ;  
gr.predicate ;

do on user ? let same update of es.

moc4?.delete (obj as! NSManagedObject)

do { same update  
with code... }

Note: set value & then try same  
delete all)

APRIL 2019

S	M	T	W	T	F	S
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APRIL

# NSManagedObject Object.

MARCH  
2019

FRIDAY

15

(074-291) Week 11

## coreData - Demo (LHS last)

[Main Up Menu] → Editor →

① Create NSManagedObject Subclass ...

↳ select our project data model →  
next

Table → select ... next

file location ... create.

② "New" → "NSManagedObject"

"Inherit"

③ Select our Entities from coreData -  
Data (lhs last)

④

⑤ [in LHS] (show or hide inspectors)

↳ in class → Codegen : select

"None" / "Manual" / "None"

"None" / "None"

⑥ then do 1st step // (P)

→ next and ...

⑦ ⑧ ⑨ ⑩

APRIL 2019

S	M	T	W	T	F	S
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14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3

16 UPDATE  
SATURDAY

MARCH  
2019

(075-290) Week 11

④

UPDATE

let appD3 = moc3 // same  
or (result from read same)

f2.predicate = NSPredicate

(format:

" sname = %@ ",

" Dhwanii " )

do S

let results = try! moc3.fetch(f2)

let obj = results[0] as! NSManagedObject

17 SUNDAY

obj.setValue (" Dhwanii ",

for key : " sname " )

do S

try moc3.save()

print (" Record has been  
UPDATED... ")

MARCH 2019

M	T	W	T	F	S	S
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15	16	17	18	19	20	21
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29	30	31				

g

MARCH  
2019

MONDAY 18

(077-288) Week 12

catch S 3 o 1000. and 1000. i  
3 catch S 3 o 1000. for last 1000.

last 1000. for last 1000.

[area]

APRIL 2019

S	M	T	W	T	F	S
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7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
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APRIL

# Object Oriented Style CRUD

# Object Oriented Style Crd.

19

TUESDAY

MARCH  
2019

(078-287) Week 12

in iPhone drag-drop to create  
outlet of label & databases

button same as core data.

[ADD]

let appD = UIApplication.shared.  
delegate as? AppDelegate

let moc = (appD?.persistentContainer.  
viewContext)!

let obj = Student(context: moc)

obj.sid = Int32(Int(idtxt.text!)!)

obj.Sname = nametxt.text

obj.Sage = Int32(Int(agetxt.text!)!)

do {

try moc.save()

MARCH 2019

M	T	W	T	F	S	S
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18	19	20	21	22	23	24
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print("Record Inserted...")

g

catch is g

MARCH  
2019

WEDNESDAY 20

(079-286) Week 12

READ

let appD2, moc2 same as  
Add code.

let result = NSFetchedRequest<Student>  
(entityName: "Student")

do {

let record = try! moc2.fetch(result)

for data in record

{

print(data.value(forKey: "sid")!)  
"  
↓

sage, sname

g

g

catch {

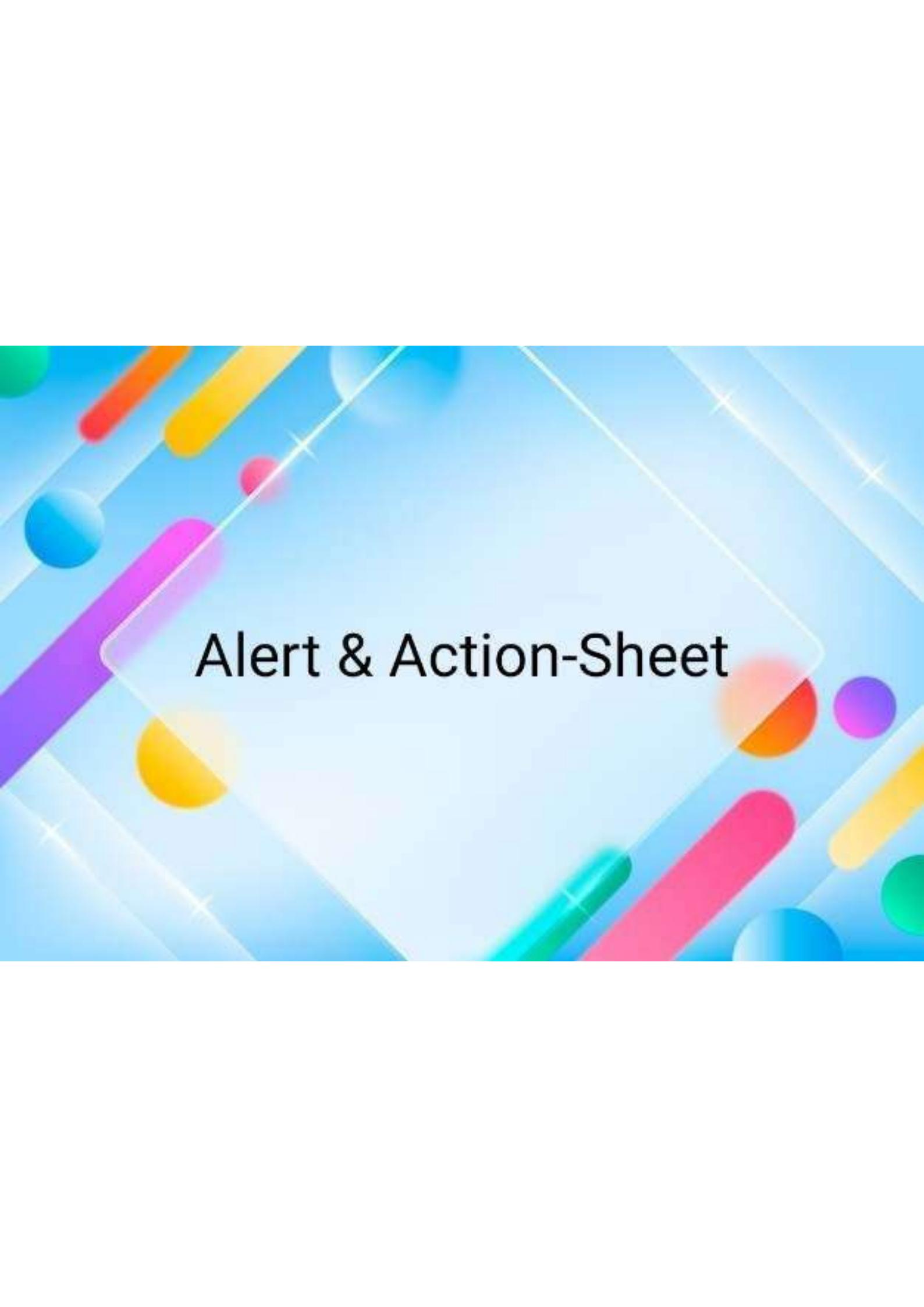
print("error")

g

APRIL 2019

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7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

APRIL

The background features a vibrant, abstract design with a light blue gradient. Overlaid on this are several translucent, colorful shapes: a pink rounded rectangle containing the text, a purple band on the left, a yellow band at the bottom, and various smaller circles and ovals in shades of red, orange, yellow, green, and blue. Light rays and stars are scattered across the background.

# Alert & Action-Sheet

8/2/24 Alert - Demo.

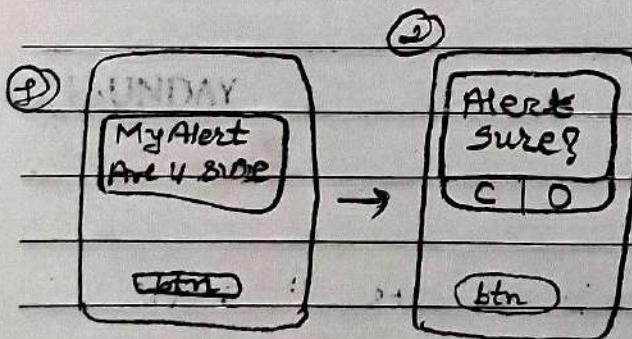
26 TUESDAY

MARCH  
2019

(085-280) Week 13

New project →  use core data

- Iphone Main Button with touch rep inside  
(VIEW → Show library)
  - view controller code:  
in IBaction btn
- ① → let alert = UIAlertController  
(title: "My Alert Dialog",  
message: "Are you sure..?",  
preferredStyle: UIAlertController  
Style.alert)
- self.present(alert,  
animation: true)



MARCH 2019

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1	2	3	4	5	6	7
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15	16	17	18	19	20	21
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29	30	31				

MARCH  
2019

27

Cancel & Okay msg show

WEDNESDAY

(086-279) Week 13

② before self. parent

alert. addAction CUIAlertAction

C title : " okay! ",

style : . default;

same for " Cancel ", . cancel

↳ after . default

, handler : \$ - in paint (" okay "  
" Pressed ");

in xbox output section it'll  
show after click on okay button.

③ add text field after ①

alert. addTextField C ConfigurationHandler :  
\$ ( t1 ) in t1. text = " Enter ur  
t2 Name ";

t2. isSecureTextEntry = true

alert. addAction CUIAlertAction

APRIL 2019:

C title : " Okay.. ", style : . default

, handler : \$ - in paint (

alert. textFields [ 0 ]. text !

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28	29	30	31	1	2	3

APRIL

## Q. alert controller vs action sheet

28

THURSDAY

MARCH  
2019

(087-278) Week 13

### Action Sheet --

let action-sheet = UIAlertController

(title: "My Action Sheet",

message: "Select Any One",

preferredStyle: .actionSheet)

} let yes = UIAlertAction (title: "Yes",

style: .default,

handler: { \_ in print

"Yes Pressed" })

action-sheet.addAction(yes)

: underline click or change click  
some → cancel & destruc

cancel all click cancel

MARCH 2019

M	T	W	T	F	S	S
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22	23	24	25	26	27	28
29	30	31				

destructive all destructive which

style all "...destructive"

destructive

MARCH  
2019

2019

YEA FRIDAY

29

(088-277) Week 13

self : present (action - sheet ,  
animated : true )

(CIBAction 25 ડાયાગની code comment  
સેવ કરી શકતી )

五

四

Being strong doesn't mean you have  
to "fly" and fight all the time. And

36

**Tip:** Palm's strong means you don't have to stay and respond to rude remarks. Don't forget to say "I'm sorry."

三

want. Keep your dignity and don't lower yourself to their level. True strength is being able to walk away from them with your head held high.

1005

APRIL 2019

S	M	T	W	T	F	S
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28	29	30				

APRIL

# Static Table CRUD

# Static Table

12/12/24

01

MONDAY

PLANNER

APRIL  
2019

(Q1-274) Week 14 01/12/2019

To meet your life

Challenges ahead.

- Main → iPhone select →  
view (top above) → show  
library → table view  
(drag to phone)

right click on table view

drag dataSource & delegate  
to phone top view controller.

- in code view controller in

class

class View Controller : add

② UITableViewController Delegate  
DataSource

↳ error will come.

Fix

APRIL 2019

M	T	W	T	F	S	S
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8	9	10	11	12	13	14
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22	23	24	25	26	27	28
29	30					

APRIL  
2019

TUESDAY 02  
MAY

(092-273) Week 14

② let fruits : [String] = ["Apple", "Mango", "Cherry"]

③ in tableView ... num of rows  
return fruits.count.

④ declare in cell for row.  
var cell : UITableViewCell =  
tableView.dequeueReusableCell(withIdentifier : "cell",  
for : indexPath) as!  
UITableViewCell

cell.textLabel?.text =  
fruits[indexPath.row]

return cell

⑤ override func tableView

tableView.register(CITableViewCell.

self, forCellReuseIdentifier

MAY 2019

S	M	T	W	T	F	S
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22	23	24	25	26	27	28
29	30	31				

tableView.dataSource = self.

# 03

WEDNESDAY

APRIL  
2019

(093-272) Week 14

⑥ textbox, button with outlets,  
touch up inside

⑦ // Insert code in Add btn..

fruits.append([textbox.text])

tv.beginUpdates()

tv.insertRows(at: [IndexPath(row:  
section: 0)], with:  
animatice)

tv.endUpdates()

⑧ create tableView func at  
last

func tableView(\_ tableView:

UITableView,

didSelectRowAt indexPath:

APRIL 2019

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22	23	24	25	26	27	28
29	30					

Selected IndexPath = indexPath

row

APRIL  
2019

04  
THURSDAY

(094-271) Week 14

① declare var 1st then code  
inside delete btn IBAction

var selectedIndex : Int ?

code fruits.remove(at: selectedIndex!)

tv.beginUpdates()

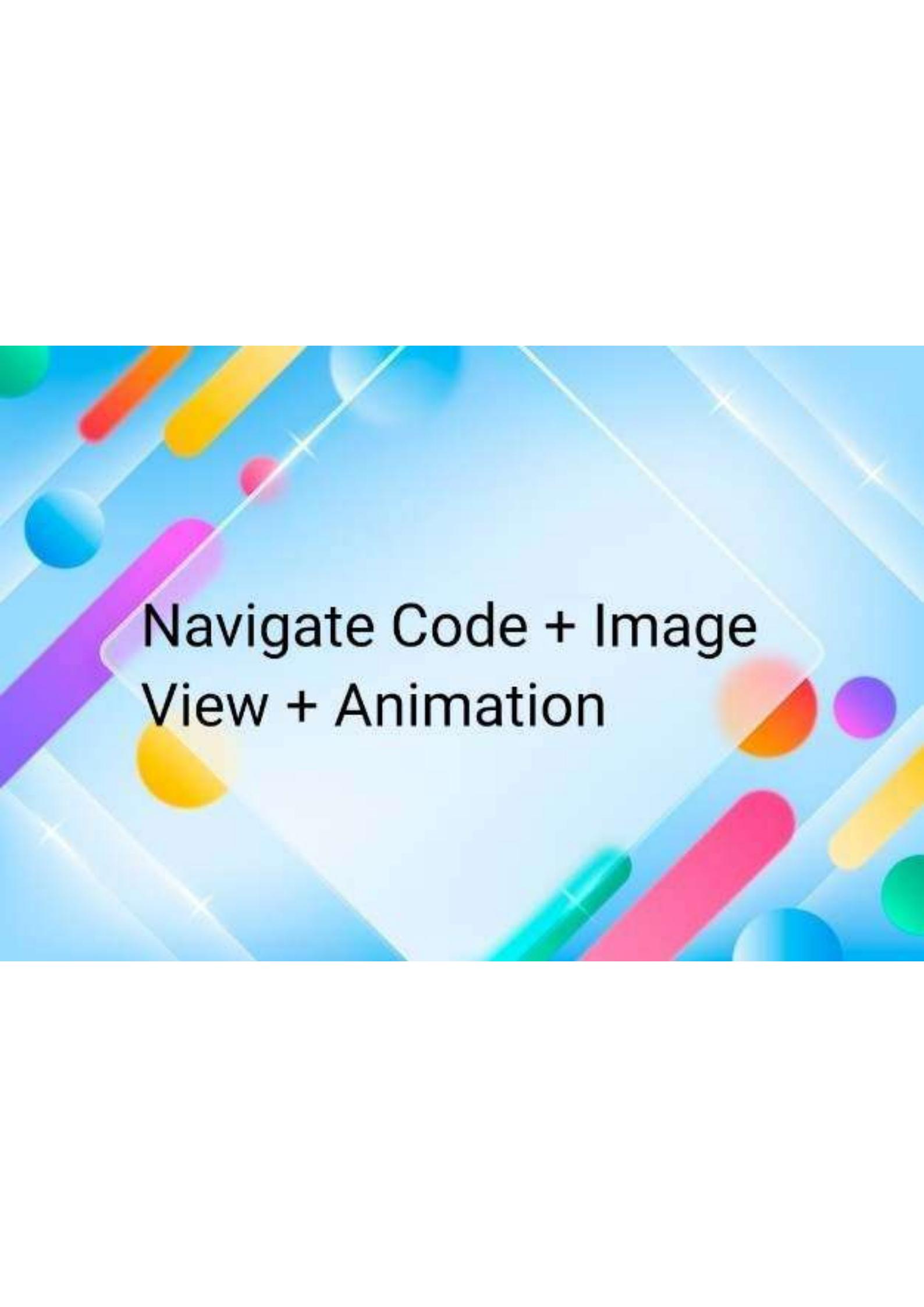
tv.deleteRows(at: IndexPath(row: selectedIndex!,  
selection: 0),  
with: .automatic)

tv.endUpdates()

SUNDAY 07

MAY 2019

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The background of the slide features a vibrant, abstract design. It consists of several thick, semi-transparent colored bands in shades of blue, yellow, pink, and purple, which overlap and curve across the frame. Interspersed among these bands are numerous small, glowing white stars and sparkles of varying sizes, creating a sense of depth and motion. The overall effect is reminiscent of a digital or futuristic environment.

**Navigate Code + Image  
View + Animation**

Navigate Code +

15/2/24.

APRIL  
2019

Image View..

TUESDAY

0

(099-266) Week 15

New project. Main → button &

Image view controller

C VIEW → Show Library ) — ( ① )

touch up inside button — ( ② )

§ 11 create instance for and class

let obj = self.storyboard?.instantiateViewController(withIdentifier: "Second Screen")  
as! SecondViewController

self.present(obj, animated: true)

— ( ④ )

create another view controller — ( ③ )

( View Show Lib ) + its code file

↳

project file right click → New File →  
Cocoa Touch Class → next →  
name it → create.

MAY 2019.

S	M	T	W	T	F	S
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26	27	28	29	30	31	

# 10 WEDNESDAY

(100-265) Week 15

APRIL  
2019

- ③ select and screen view controller  
in zhs go on

Show Identity Inspector

change Storyboard Id & class

Second Screen

select and vc.

- ⑤ add image view + 2 button  
to main screen

- ⑥ in our file → right click → select  
Add files to "Navigate - Code"  
→ select images & rename it.

- ⑦ 2 touch up inside button  
named start, stop create

- ⑧ create IBOutlet for image view

APRIL 2019

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15	16	17	18	19	20	21
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29	30	31	1	2	3	4

8-1

create function for  
animation

APRIL  
2019

THURSDAY 11

(101-264) Week 15

public func img-animation()  
as

⑨ creating array for images

imgview.animationImages =

✓  
IBOutlet UIImageView \*imgview;  
[UIImage imageNamed:  
"img1.jpg/png"]

imgview.animationDuration = 1

3

⑩ in start-btn (IBAction)

self.img-animation()

imgview.startAnimating()

⑪ in stop-btn

imgview.stopAnimating()

MAY 2019

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15	16	17	18	19	20	21
22	23	24	25	26	27	28
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# App Life Cycle

# Q App Life Cycle.

APRIL  
2019

19/2/24.

SATURDAY 13

(103-262) Week 15

New Project → App Delegate (lhs)

in func application return true (run)

point (" didFinish called...") (run)

→ Scene Delegate (lhs file)

in func sceneDidBecomeActive ...

point ("Scene Did Become Active ...") (run)

+ calloutSceneDidEnterBackground

in func sceneDidEnterBackground ...

point

run → didFinish called - (1)

Scene Did Become Active Called - (2)

Scene Did Enter Background Called - (3) SUNDAY 14

↑ (Phone up)

↓ until Blue click lagi di monitor.

MAY 2019

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15 MONDAY

APRIL  
2019

(105-260) Week 16

Main (lhs file)

↳ delete phone - i

↳ VIEW Menu → Show Library

tab bar controller



change colors.

run

select main screen

in rhs title of विवे...

is Initial View Controller



ticks

entry point create बिल्कुल.

⇒ 2nd tab on Item 1 to select एकी-

rhs → title : specific name

एकी-

image : change.

run

APRIL 2019

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22	23	24	25	26	27	28
29	30	01	02	03	04	05

APRIL  
2019

elliptical 3000

9

TUESDAY

16

(106-259) Week 16

to add another screen

View Menu → Library →

in the library view controllers, h. at. b. -

and scroll down to select

Select 1st screen tab bar ctrl + drag

and to new screen

relationship segue (view controllers) select

from library and note drag to

parent segue in first action

ctrl + drag and move segue

is easy with preview

control + click short exists parent

two

one

1. Import

✓

2. Import

2. Keyboards

✓

3. Keyboards

3. Fonts

✓

4. Fonts

new to old

old to new

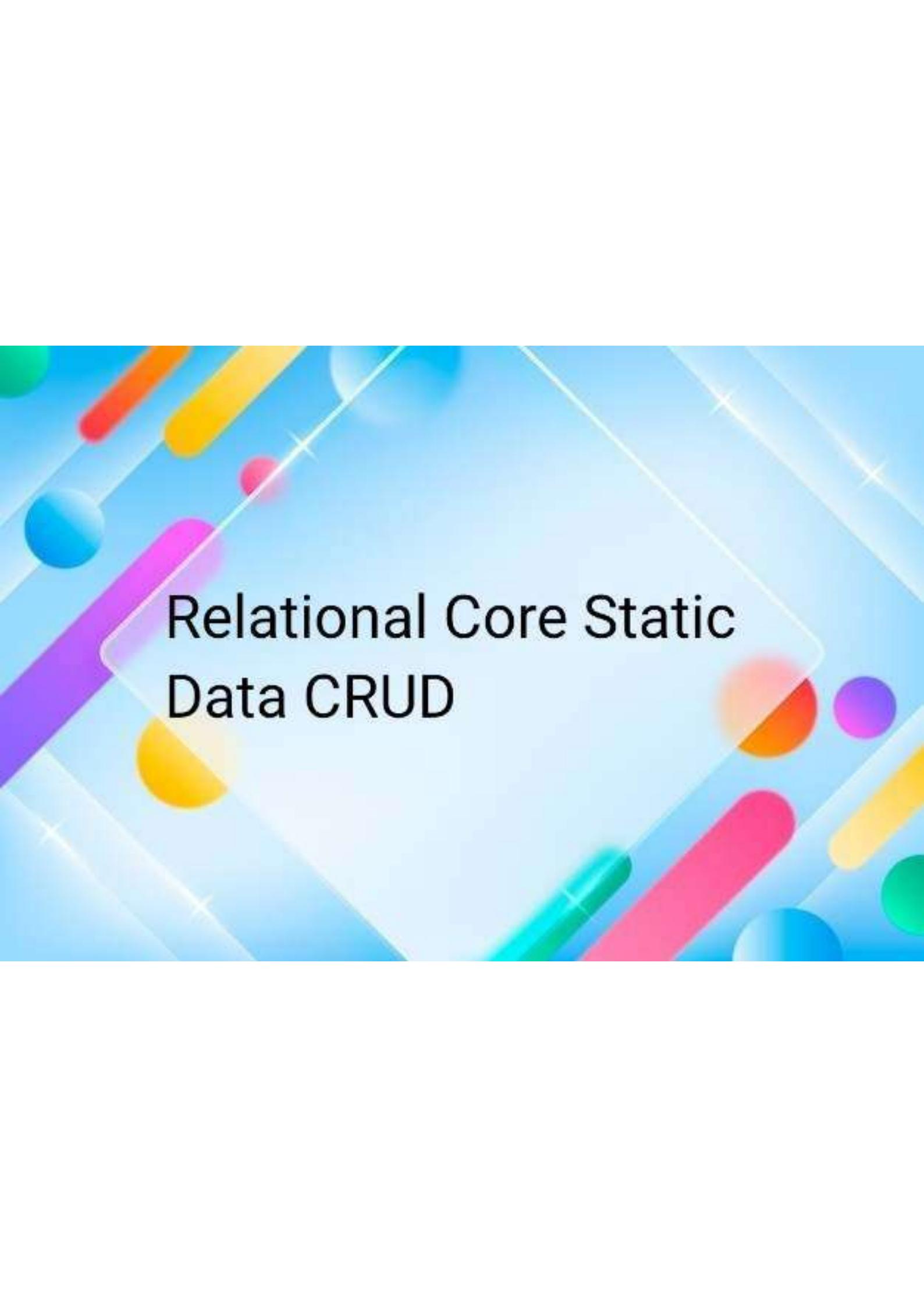
8. Membership in people module updated niko

9. Log in forgot word create

MAY 2019

MONDAY

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1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

The background of the slide features a vibrant, abstract design. It consists of a light blue gradient base with several translucent, overlapping shapes in various colors: yellow, orange, pink, red, purple, and teal. These shapes include elongated rectangles and circles, some with internal gradients. Light rays and small white stars are scattered across the background, creating a dynamic and modern feel.

**Relational Core Static  
Data CRUD**

Group.

relational

static table.

22

MONDAY

Exam

APRIL  
2019

(112-253) Week 17

new project → 2 button with touch up  
inside named ADD, DELETE  
with (view → show library).  
core data.

→ in lhs  select ; entity page open

Add Entity → Add Attribute

{ Student.  
    ename  
    roll  
    age

Marks.  
    sum  
    51  
    82

in student → relationship (+),  
to Marks

to Marks ; Marks

in rhs relationship of show data  
model inspector ...

APRIL 2019

M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

Delete Rule : Cascade  
Type : to Many  
↑  
select...

• Entities (lhs) → Codegen : Manual/None  
APRIL for Student & Marks. TUESDAY 23  
2019 (113-252) Week 17

- in Marks Entity : create relationship to Stud ; Student (table)
- goto Main Screen. (database (blue click sel))
- Editor Menu (on top) : select Create NSManagedObject Subclass ...

↳ select our project name next  
select entities add = 2 ; select create.

→ In View Controller :

# import CoreData — (3)

code in add-btr. — (4)

Note, CoreData stores in app delegate file

let appD = UIApplication.

sharedDelegate

as! AppDelegate

MAY 2019

S	M	T	W	T	F	S
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19	20	21	22	23	24	25
26	27	28	29	30	31	

24 WEDNESDAY

(114-251) Week 17

APRIL  
2019

let con = appD. persistentContainer.  
viewContext

student entity object create

let sobj = Student (context: con)

sobj. scroll = 1

sname = "Dhivani" -> lib:

age = 21

create obj of marks entity

let mobj2 = Marks (context: con)

mobj2. sem = 8

81 = 75

82 = 69

do 5

try! con. save()

print ("Record Inserted...")

let dirPath =

NSSearchPathForDirectories

In Domains/ .document

Directory, . userDomain  
Mask, true)

APRIL 2019

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29	30					

Point (dirPath[0])

8

APRIL  
2019

catches point ("Error") &

THURSDAY 25

(115-250) Week 17

run project.

copy path from debug C:/document delete

⇒ goto 'home screen' (when pc start so show "that screen")

In above GO → go to folder →

Library → Application Support →

Select our database.

MAY 2019.

S	M	T	W	T	F	S
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15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

26

FRIDAY APRIL

Cloudy with 30% chance

APRIL  
2019

(116-249) Week 17

display button → touch up Inside  
↓ code ..

let → app & con2

↳ same as insert

let fr = NSFetchedRequest <Marks>  
entityName : "Marks")

do {  
 let result = try! con2.fetch(fr)

for data in result

↳ paint (data.sem)

• S1

• S2

g  
g

↳ paint (data.toStudent?.sname  
?? "Not Found")

APRIL 2019

M	T	W	T	F	S	S
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22	23	24	25	26	27	28
29	30	01	02	03	04	05

// Same another method +  
paint line add.

APRIL  
2019

SATURDAY 27

(117-248) Week 17

delete button

↓ code...

let ~~sname~~ as display.

marks of ~~00211~~ in Student.

82. predicate = NSPredicate

(Format : " sname =

%@ ",

" Dhawani ")

do {

let result = day!.con3.fetch (82)

let obj = result [0] as NSManagedObject

Object .

con3.delete (obj)

SUNDAY 28

do { day!.con3.save ()

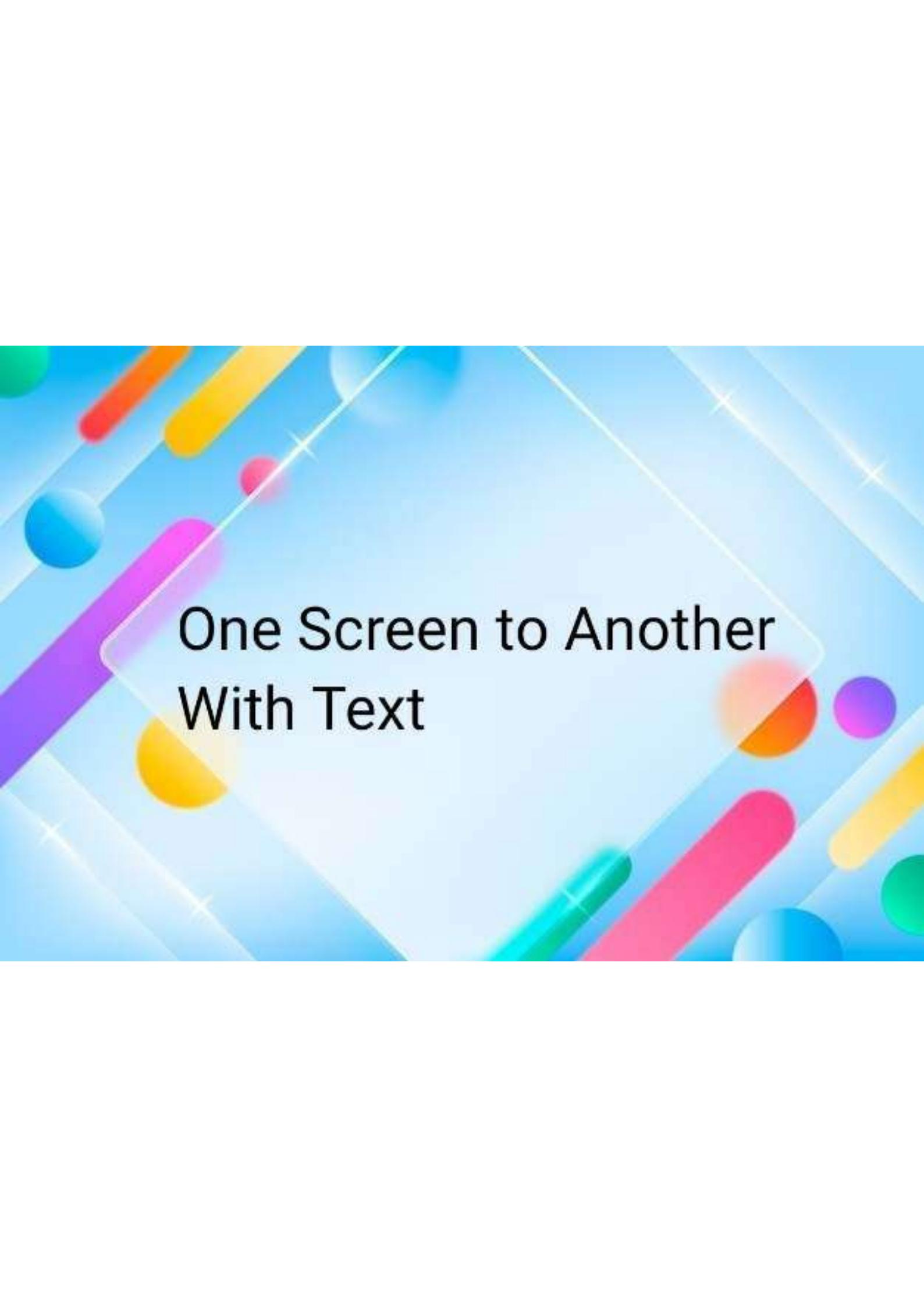
print (" Record Deleted... ")

y

y

MAY 2019.

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15	16	17	18	19	20	21
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29	30	31				

The background features a vibrant, abstract design with a light blue gradient. Overlaid on this are several translucent, rounded rectangular shapes in various colors: pink, yellow, orange, red, and purple. These shapes overlap each other and the background, creating a sense of depth. Interspersed among these shapes are numerous thin, glowing white lines that resemble light rays or streaks of light, some of which have small starburst effects at their ends. The overall effect is dynamic and modern.

**One Screen to Another  
With Text**

Q. One screen to Another ex.

02 Pass data.  
THURSDAY

(122-243) Week 18

# Assignment 2. Pg.

MAY  
2019

- Create project. → Main  
1st screen 2 textboxes  
1 button.
- 2nd screen add [ views ] →  
library → view controller ]  
+ label
- button right click touch up inside  
drag to 1st views controller.
- button select + ctrl & drag to  
and screen.
- for back button :

Main → click anywhere → above  
Editor → Embed In →  
Navigation Controller.

MAY 2019

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27	28	29	30	31		

802 Second Screen View Controller...

MAY  
2019

FRIDAY 03

(123-242) Week 18

- select our file → right click → New  
File → iOS ; Cocoa Touch Class  
→ next → name of the class →  
next → create.

- all object (checkbox, button, label)  
must have Referencing Outlet  
in their view controller.

[ right click on object then ref. outlet  
drag to view controller class  
after ]

- "main" view controller make prepare  
func :

override func prepare (for segue:  
UIStoryboardSegue!, sender: Any?)

S

var obj = segue.destination as!  
name of 2nd controller

obj.txtname = txt1.text! +  
" " + txt2.text!

3

JUNE 2019

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23	24	25	26	27	28	29

AUGUST

04<sup>V</sup>  
SATURDAY

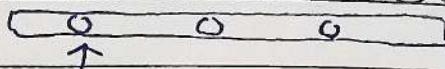
(124-241) Week 18

MAY  
2019

→ end screen controller:

label connection outlet) for that

touch end screen view controller



in rhs : Custom Class → "

class select our new view  
controller name"

→ in end controller create label outlet.

code : var ctext := String := ""

in override func

05 SUNDAY

clabel.text = ctext

MAY 2019

M	T	W	T	F	S	S
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27	28	29	30	31		

# Dynamic Table

# Dynamic Table.

07

TUESDAY

(127-238) Week 19

MAY  
2019

- new project → core data
- Main → delete phone screen:  
" view controller.
- Drag - Drop Table View Controller.  
(VIEW → Show Library)
- select table view screen →  
in zhs? Table view : 
- change Content → Static Cells.  
Style → Grouped.
- In left side of Table View Cont.  
Select Table view Selection  
↳ zhs → Header : States  
(Avigj)

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27	28	29	30	31		

MAY  
2019

WEDNESDAY 08

(128-237) Week 19

- Select all table views from lhs (window key each time select segi. states on right)

all the rhs one

style : Basic (Select)

- main view screen set title  
name change scroll

Gujarat

Rajasthan  
Maharashtra

- phone on GUI  Table view controller select segi.

rhs GUI title on set   
click segi.

Is Initial View Controller JUNE 2019

• sum

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23	24	25	26	27	28	29

JUNE

JULY

AUGUST

# 09

THURSDAY

MAY  
2019

(129-236) Week 19

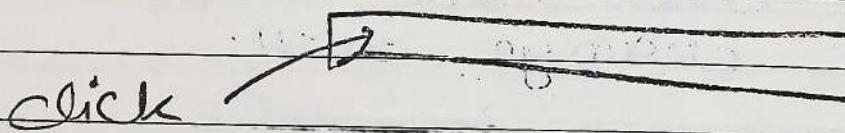
→ click on our project name.

right click → New file →

Cocoa Touch Class → select →

TVC name → Create.

→ Main Story board → phone on  
Green line



click :  show Identity Inspector.

Class → TVC select.

→ In TV's Scene → select

Table view

RHS → 

changes:

MAY 2019

M	T	W	T	F	S	S
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20	21	22	23	24	25	26
27	28	29	30	31		

Content → : Dynamic

Prototype

MAY  
2019

FRIDAY 10  
(130-235) Week 19

Property Cell :  Plain button

Style : Plain button

→ In LHS The Scene

Table View Select  
StatesCell

RHS : Identifier : StatesCell

(Code)

Select TJS file from LHS 

after 32 line add title + header,  
④th option.

{ override func tableView(\_ :  
is code tableview  
g title for header JUNE 2019

In section:

2019 year,

S	M	T	W	T	F	S
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16	17	18	19	20	21	22
23	24	25	26	27	28	29

JUNE

JULY

AUGUST

11 SATURDAY

MAY  
2019

(131-234) Week 19

return "Section 2" \ (section)"

uncomment 38 line junc.

Completed : 2019-05-12

{ obs? }

12 SUNDAY

MAY 2019

M	T	W	T	F	S	S
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20	21	22	23	24	25	26
27	28	29	30	31		

# Core Location

Core Location.

11/3/24.

MAY  
2019

FRIDAY

17

(137-228) Week 20

- Create Project → in the top file select.
- ① Build Phases ⇒ Link Binary with Library.  
↓
- ② Add : Core Location.framework.
- ③ in ViewController :
- ④ Import
- Import Core Location
- ⑤ in class file
- var geo : CLGeocoder ?
- var clm : CLLocationManager ?
- var places : CLPlacemark ?
- ⑥ in override func.
- self.geo = ~~CLGeocoder()~~ <sup>CLGeocoder()</sup>
- self.clm = CLLocationManager()
- self.clm?.delegate = self
- self.clm?.desiredAccuracy = kCLLocationAccuracyBest
- self.clm?.requestWhenInUseAuthorization()

JUNE 2019

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30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29					

AUGUST

18

Self. clm?. start Updating Location  
SATURDAY MAY  
2019

(138-227) Week 20

in info [ ] (cls)

Info. Property list  $\Rightarrow$  click.

key: Privacy - Location when in  
use uses Description

Value : App Need Permissions

-x -x -o -x -x -x -x -x -x -x -

4.1

$\Rightarrow$  func locationManager (manager:  
CLLocationManager, didUpdateLocations  
locations:[CLLocation])

var myloc = location.first

paint (myloc?.coordinate.  
19 SUNDAY longitude)

paint (myloc?.coordinate.  
latitude)

geo?!.geocodeAddressString

MAY 2019

M	T	W	T	F	S	S
	1	2	3	4	5	
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

"Surat, India",  
completionHandler :

nil, nil, nil

MAY  
2019

MONDAY 20

(140-225) Week 21

do S

point (locations.last?, coordinate, latitude )  
" " " longitude )

g

11.0

g)  
\*/

← comment if need to run ↓

geo?. reverse Geocode Location

C location (latitude : 21.170240,

longitude : 72.831062))

S (placemarks, error) in

if error != nil & S

point ("Something went  
possibly wrong")

g

if let placemarks = placemarks

S

self.places = placemarks.first

point (self.places?, country! as Any)

- administrativeArea!
- postalCode!

JUNE 2019

S	M	T	W	T	F	S
30						1
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29						

g  
3

JUNE

JULY

AUGUST

# Map (Callout)

GeoCoding & Reverse GeoCoding

map-demo. (callout)

24/3/24

MAY  
2019

WEDNESDAY 22

(142-223) Week 21

Main → map kit view.

(VIEW → show library)

// if need to change view then...

(. . .) (the application's interface)

click on screen map

In rhs → attribute inspector

change configuration : Imagery.

⇒ Run project : alt + 8 double click →

zoom in view we will see.

Special case of view code ...

view controller ai

(1) import 'mapkit' framework

import CoreLocation

MapKit

(2) create IBOutlet for map.

(override func of view)

(3) override func ai...

super.viewDidLoad()

JUNE

JULY

AUGUST

JUNE 2019

S	M	T	W	T	F	S
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29					

MAY  
2019

FRIDAY 24

(144-221) Week 21

cmt. coordinate = loc

cmt. title = "Indict"

cmt. subtitle = "Dept. of ICT, INSGU"

map. add Annotation (cmt)

RUN...

// change loc coordinates to  
21.1536 84.788.

YACMUSAS

JUNE 2019

S	M	T	W	T	F	S
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29					

JUNE

JULY

AUGUST

