iOS : Getting Started with iOS, Swift and Coding guidelines
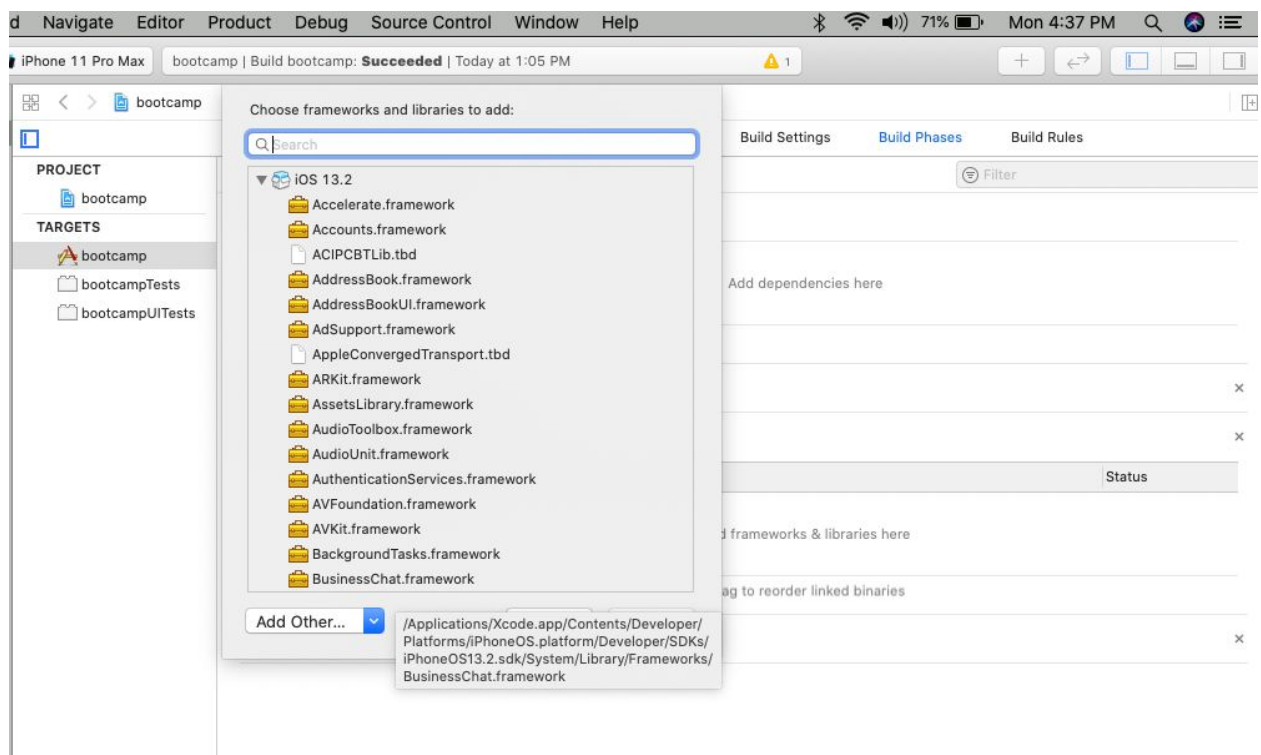
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1. Explain what is Xcode?

Ans.   Xcode is IDE(Integrated Development Environment) development by apple for developing apps for iphone, ipad, iwatch and apple tv.

2. **Explain how you can add frameworks in Xcode project?**

   Ans :

   a. Select project form navigation bar.
   b. Select "Build phases" which is in right top corner.
   c. Go for "Link Binary the Libraries" and add the file by clicking on plus(+) sign
   d. Now select the framworks or libraries.

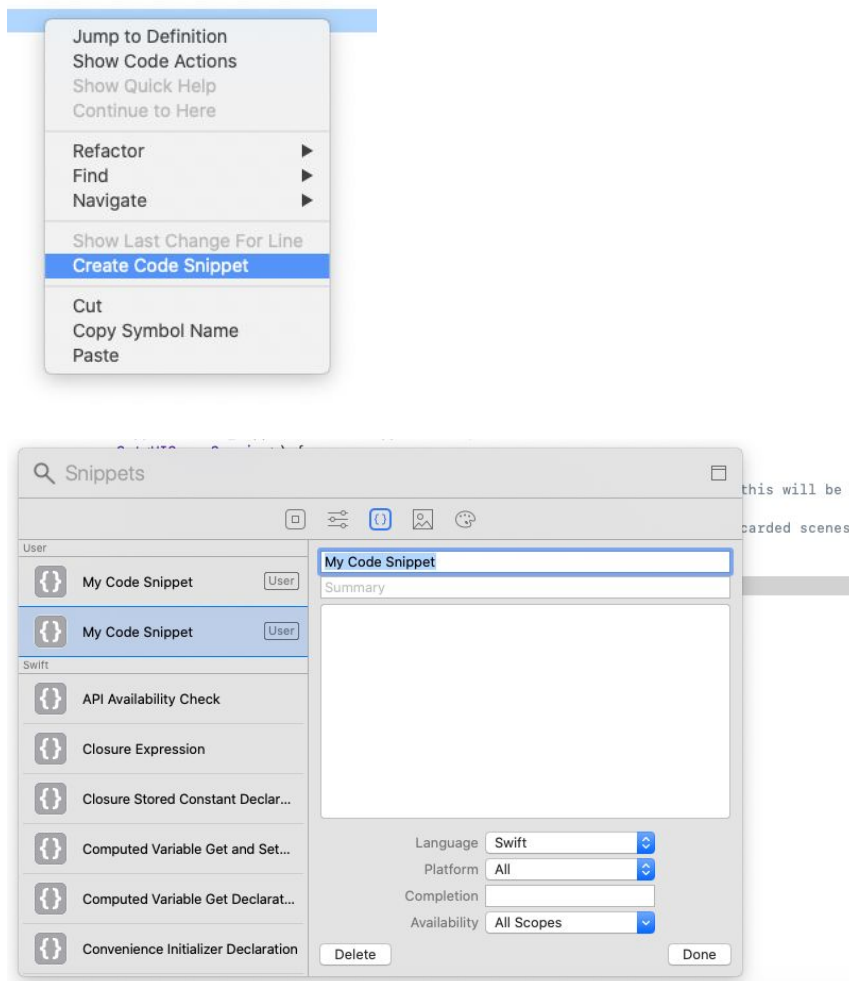3. **Explain what is the difference between Xcode, Cocoa and Objective C?**

Xcode: its a IDE which is developed by apple to developing app for iphone, mac and ipad also for apple tv.

Cocoa : its a library.

Objective C : its a lang. Which is use in xcode to developed app. Now we use swift lang.

4. **What is the short cut to open the "Code Snippet Library" in Xcode?**

Ans. right click on code screen where we write code and select "Code snippet Library" the select code snippet which we want to use in our code.

5. **Mention what are the build phases available in Xcode?**
    a. **Dependencies : here we can add Dependencies by click on add button**
    b. **Compiler source**
    c. **Link binary with Libraries : here we are add libraries.**
    d. **Copy bundle resources**

6. **Explain how you define variables in Swift language?**
    a. **Var <variable_name>**
    b. **Var <variable_name> : <Data_type>**
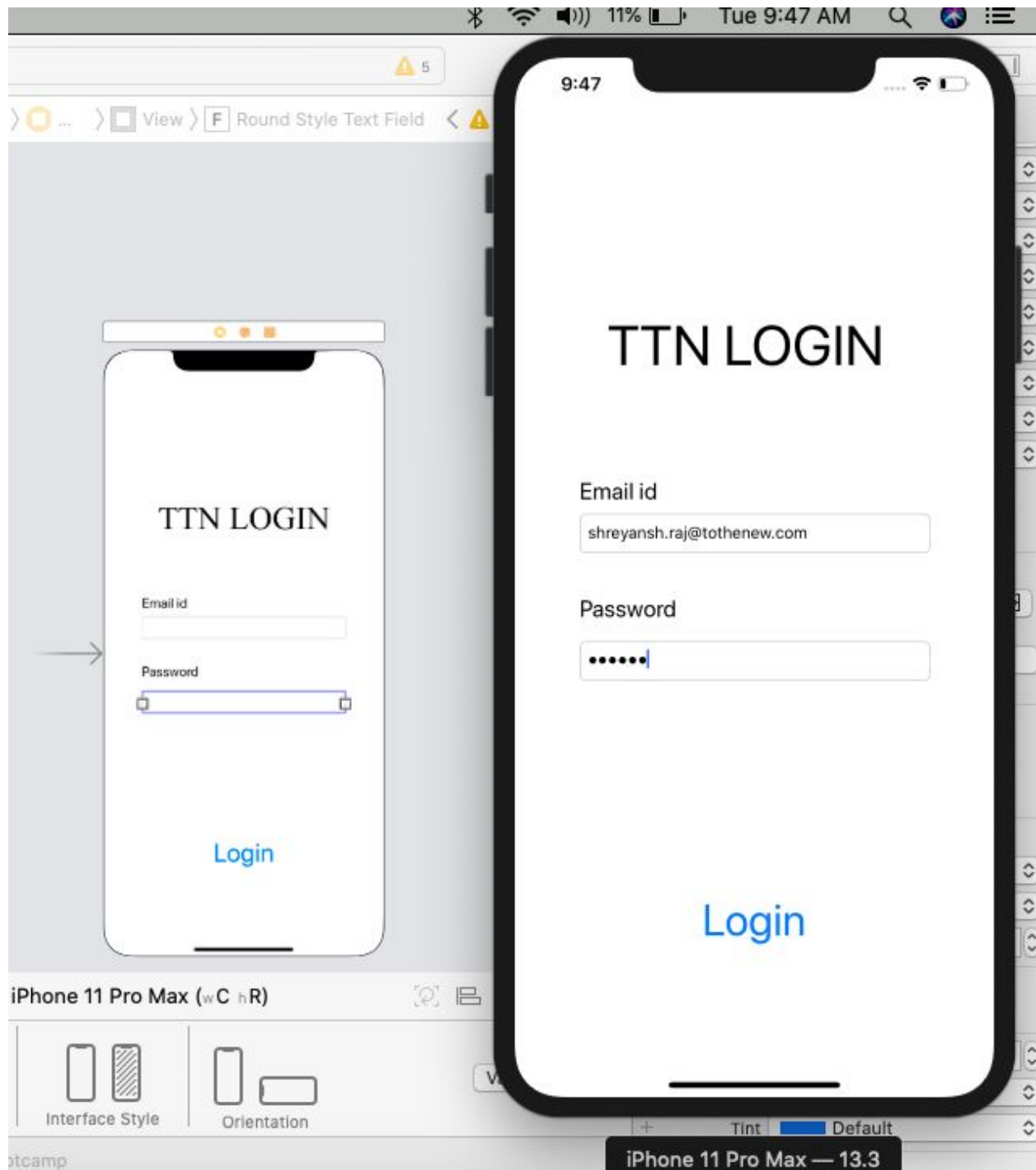
       Example : var name or var name: String

7. **What is interface builder?**

Interface Builder is a software development application for mac operating system. it simple to design a full user interface without writing any code. Simply drag and drop any thing which we need to display in app like button, label, text editor etc.

8. **Explain how app delegate is declared by Xcode project templates?**

9. **Create an app with a login interface which should have two text field for email, password where the password is a secure field and a button.**

10. List devices and their resolutions, screen size has iOS as their OS.

Device	Resolution
● iPhone X	1125 x 2436
● iPhone 8 Plus	1080 x 1920
● iPhone 8	750 x 1334
● iPhone 7 Plus	1080 x 1920
● iPhone 6s Plus	1080 x 1920
● iPhone 6 Plus	1080 x 1920
● iPhone 7	750 x 1334
● iPhone 6s	750 x 1334
● iPhone 6	750 x 1334
● iPhone SE	640 x 1136