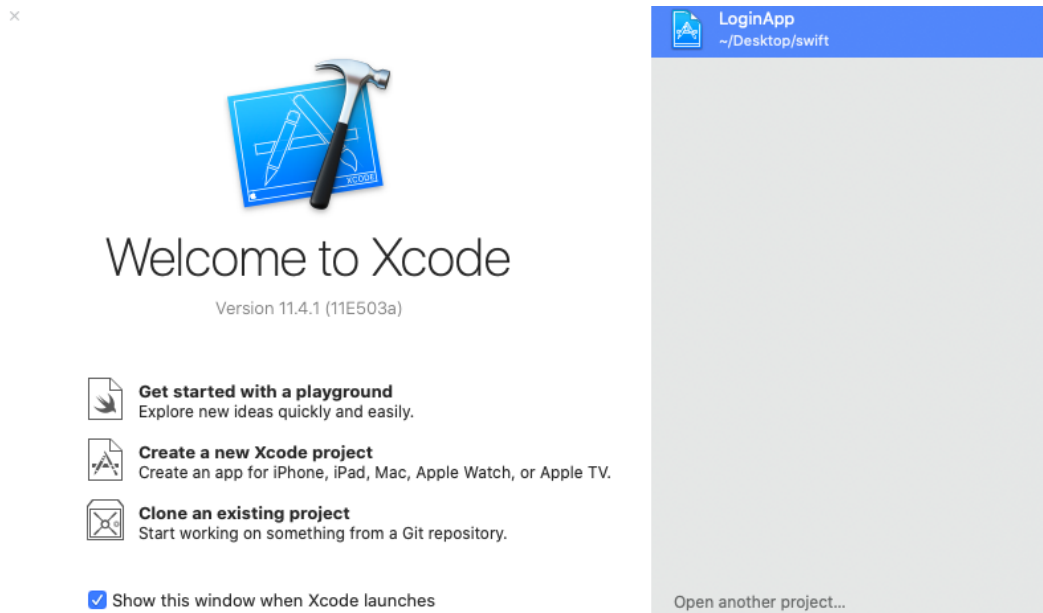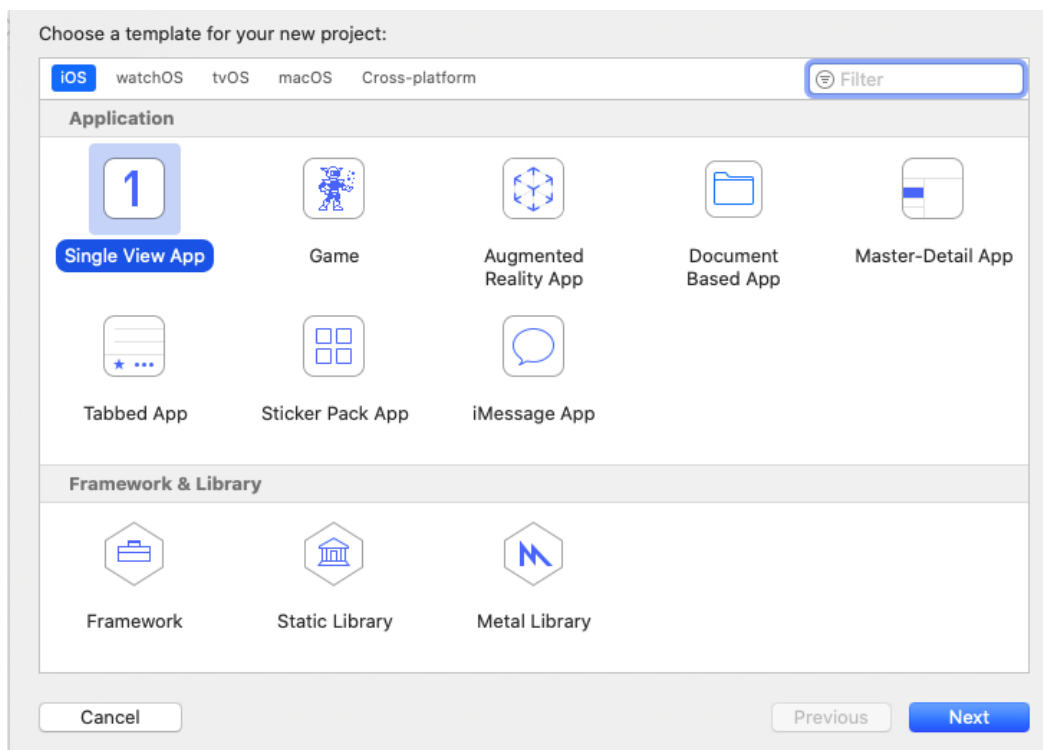1.Create a new project

2.Creating a simple view

3.Combine Views Using Stacks

4.State management in swiftUI

5.Reusable HTTP Request

1.Create a new project

Install XCode and open the application.Click create a new Xcode project

Choose ios and Single View App template

Enter project name and choose SwiftUI as user Interface. Click Next.

Choose a location to save your project. Then your Xcode opens the project.
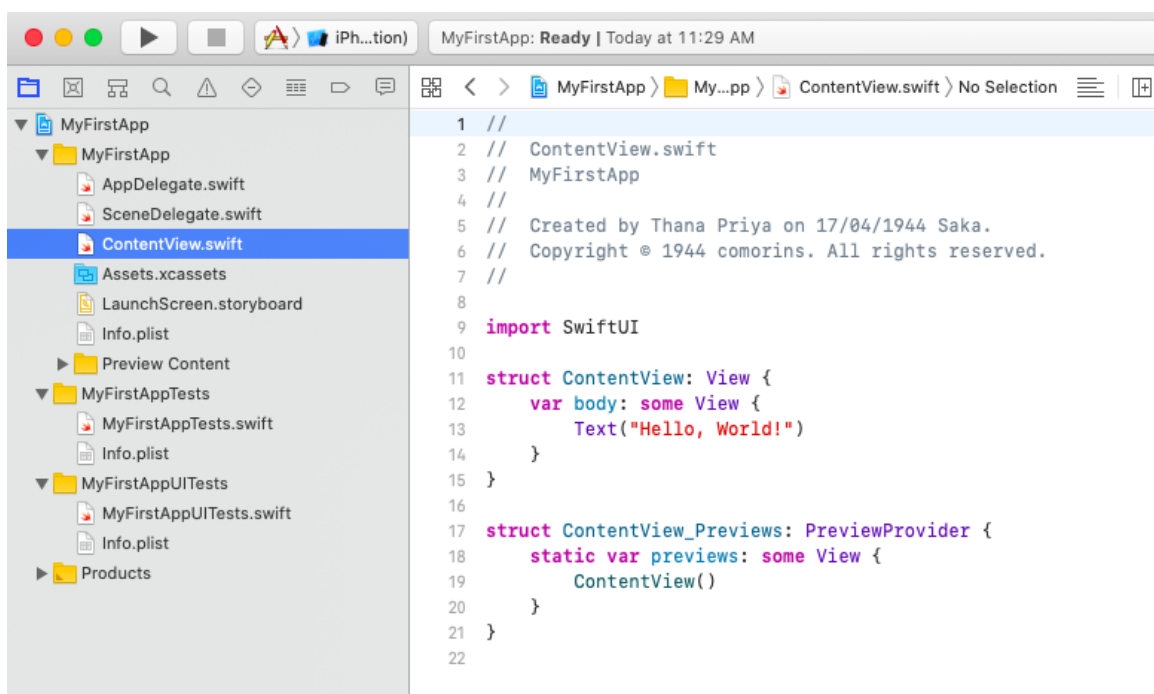
2.Creating a simple view

- In the Project navigator, select `ContentView.swift`.

- By default, SwiftUI files declare two structures. The first structure describes the view's content and layout. The second structure declares a preview for that view.

- In the canvas click Resume to play the preview. If the canvas isn't available select Editor > Canvas to show it.

- Inside the body property, change "Hello World!" to "Hello SwiftUI!".The preview updates to reflect your changes.

```
struct ContentView: View {
   var body: some View {
      Text("Hello SwiftUI!")
           .padding()
      }
   }
```

- You can customize the view by adding some styles. In the preview Command-click the text, a popover appears with different attributes which you can customize.

```
struct ContentView: View {
   var body: some View {
      Text("Hello SwiftUI!")
           .padding()
           .font(.title)
           .foregroundColor(.green)
      }
   }
```

Adding images

Go to `Assets.xcassets`. Drag and drop your images.
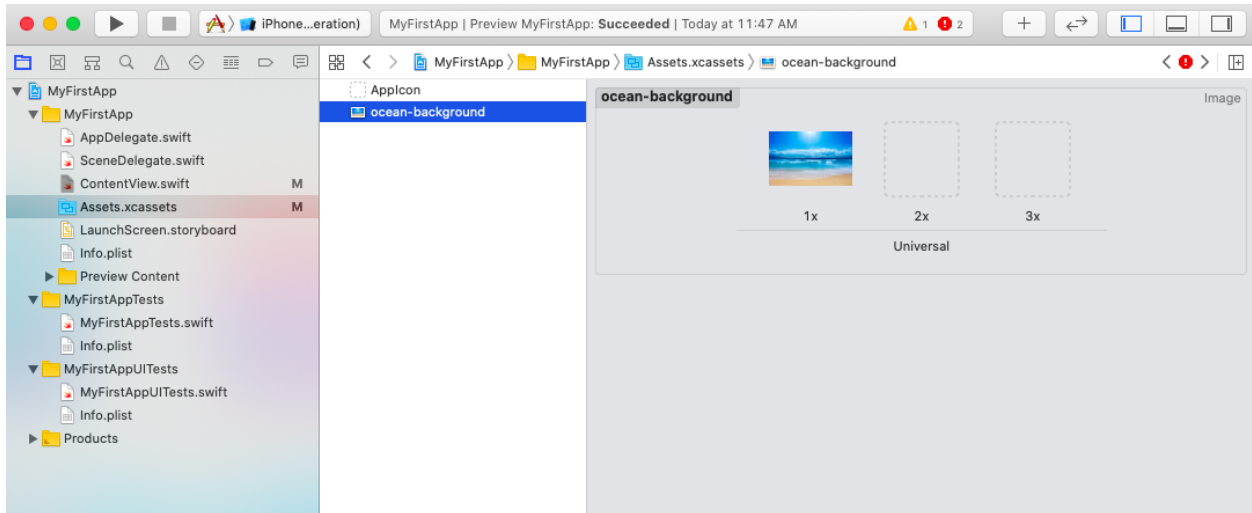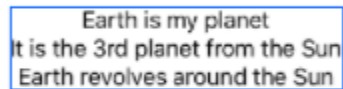

Then use it simply as

```
Image("ocean-background")
```

2.Combine Views using Stack

- A Stack is a collection of SwiftUI views that are grouped together. There are 3 stacks.

  - VStack, a vertical stack shows views in top-bottom
  - HStack, a horizontal stack shows views in left-right
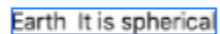 - ZStack, a depth based stack shows views in back-front

Examples:

```
VStack {
    Text("Earth is my planet")
    Text("It is the 3rd planet from the Sun")
    Text("Earth revolves around the Sun")
}
```



```
HStack {
    Text("Earth")
    Text("It is spherical")
}
```



```
ZStack {
    Image("ocean-background")
        .resizable()
        .frame(width:300, height:200)
    Text("A journey of a thousand miles starts with a single
    step")
        .foregroundColor(Color.red)
}
```

4.State management in swiftUI

https://betterprogramming.pub/the-complete-guide-to-state-management-in-swiftui-8759add64bcf

5.Reusable HTTP Request

https://blog.devgenius.io/make-reusable-and-more-clean-http-request-swift5-2cd6077073ce