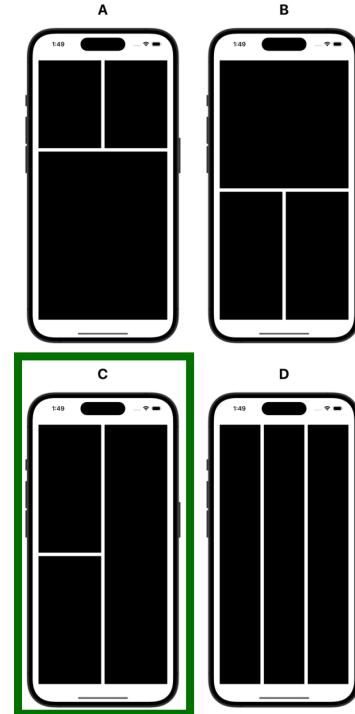


Quiz: User Interface Fundamentals

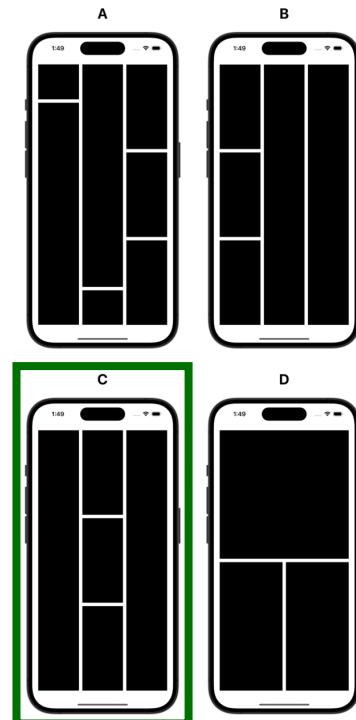
1. The following code will produce which layout shown at right? (circle one)

```
struct ContentView: View {  
    var body: some View {  
        HStack {  
            VStack {  
                Rectangle()  
                Rectangle()  
            }  
            Rectangle()  
        }  
    }  
}
```



2. The following code will produce which layout shown at right? (circle one)

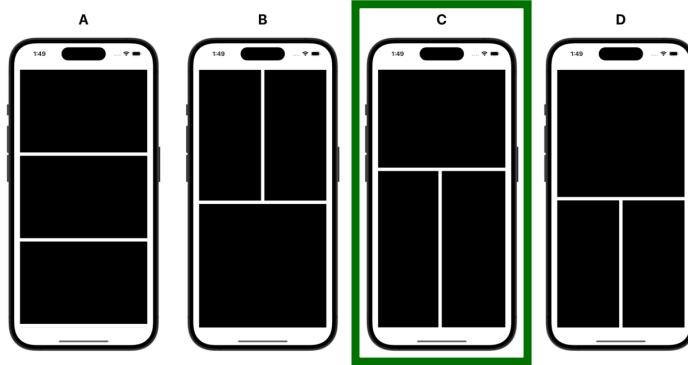
```
struct ContentView: View {  
    var body: some View {  
        HStack {  
            VStack {  
                Rectangle()  
            }  
            VStack {  
                Rectangle()  
                Rectangle()  
                Rectangle()  
            }  
            VStack {  
                Rectangle()  
            }  
        }  
    }  
}
```



3. The following code will produce which layout shown below? (circle one)

```
struct ContentView: View {
    var body: some View {
        VStack {
            Rectangle()

            HStack {
                Rectangle()
                Rectangle()
            }
            .containerRelativeFrame(.vertical, count: 8, span: 5, spacing: 0)
        }
    }
}
```



4. A VStack contains a Text view and a Rectangle view. Which one usually takes more space, and why?

The Rectangle takes more space because it is a push-out (greedy) view that expands to fill available space.

Text is a pull-in (polite) view that takes only the space it needs.

5. SwiftUI views can be described as “nested like Russian dolls.” Explain what this means in the context of the body property within a view and the resulting visual layout of the screen.

body returns one top-level view, but that view can contain other views (often via stacks).

Those child views can contain more views, forming a nested hierarchy that produces the final layout on screen.