**44643 Mobile Computing-iOS**

**Write the output of the following code segments in the space provided.**

1. var batteryLevel = 45

if batteryLevel > 80 {

print("Battery is full with \(batteryLevel)% charge.") }

else if (batteryLevel > 20) {

print("Battery level is moderate at\(batteryLevel)%.") }

else {

print("Battery is low at \(batteryLevel)%. Please charge your device.") }

1. var inputNumber = -10

if inputNumber>0 {

print("\(inputNumber) is a positive number.")

}else if (inputNumber<0){

print("\(inputNumber) is a negative number")

if(inputNumber%2==0){

print("\(inputNumber) is a negative even number")

}

}else {

print("The number is 0")

}

1. var isAuthenticated = false

var userRole = "guest"

if isAuthenticated {

if userRole == "admin" {

print("Welcome, Admin! You have full access.") }

else {

print("Welcome, User! You have limited access.")}

}

else {

print("Please log in to continue.")

}

1. var appVersion = 2.1

if appVersion >= 3.0 {

print("Your app is up to date.")}

else if appVersion >= 2.0 {

print("A new version is available. Please update your app.") }

else {

print("Your app version is outdated. Update required.") }

1. var password:String="stephen@171"

if(password.count>8){

if(password.contains(" ")){

print("Password Should not contain space") } else{

print("Password is Strong")

}

}

else {

print("A password should be minimum of 8 characters")

}

**Note: .contains() checks for only 1 character.**

1. var deviceOrientation = "Portrait"

if deviceOrientation == "Portrait" {

print("Device is in Portrait mode.") }

else if deviceOrientation == "Landscape" {

print("Device is in Landscape mode.") }

else {

print("Device orientation is unknown.") }