main.swift 7/1/15, 1:46 PM

```
//
//
    main.swift
//
    Spheres
//
//
   Created by Aaron Anderson on 6/29/15.
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//
//
import Foundation
func sphereSurfaceAreaWithRadius(sphereRadius: Double) -> Double {
    return 4 * \pi * pow(sphereRadius, 2)
}
func sphereVolumeWithRadius(sphereRadius: Double) -> Double {
    let \pi = M_PI
    return (4/3) * \pi * pow(sphereRadius, 3)
}
func outputSphereCalculations(sphereRadius: Double) {
    println("Sphere")
    println("=====")
    println(String(format: "Radius: %.1f", sphereRadius))
    println(String(format: "Surface: %.10f", sphereSurfaceAreaWithRadius
         (sphereRadius)))
    println(String(format: "Volume: %.10f", sphereVolumeWithRadius(sphereRadius)))
}
func calculateSphereVolumeAndSurfaceArea() {
    outputSphereCalculations(12.6)
    outputSphereCalculations(75)
    outputSphereCalculations(4.5)
}
```

calculateSphereVolumeAndSurfaceArea()