import Foundation

print("Hello World")

class Employee {

var name: String

var birthYear: Int

var age: Int = 2019 - birthYear

var monthlyIncome: Int

var occupationRate: Int

init(name: String, birthYear: Int, age: Int, monthlyIncome: Int, occupationRate: Int) {

self.name = name

self.birthYear = birthYear

self.age = age

self.monthlyIncome = monthlyIncome

self.occupationRate = occupationRate

}

if occupationRate < 10 {

occupationRate = 10

} if occupationRate > 100 {

occupationRate = 100

}else{

occupationRate = occupationRate

}

class Manager: Employee{

var travelDays: Int

var newClients: Int

init(travelDays: Int, newClients: Int) {

self.travelDays = travelDays

self.newClients = newClients

}

}

class Tester: Employee{

var bugs: Int

init(bugs:Int) {

self.bugs = bugs

}

}

class Programmer: Employee{

var numOfProjects: Int

init(numOfProjects: Int) {

self.numOfProjects = numOfProjects

}

}