**44643 Mobile Computing-iOS**

**Structures**:

1. **struct Course {**

**var courseName="iOS"**

**var semester="Fall"**

**var numberOfStudents=70**

**func printCourseDetails(){**

**print("Course Name: \(courseName) \nSemester: \(semester) \nNumber of Students: \(numberOfStudents)")**

**}**

**}**

**Answer the following questions based on the above struct “Course”.**

**let course=Course()**

1. **print(course)**
2. **print(course.courseName+" - " + course.semester**)

1. **course.printCourseDetails()**

1. **struct Employee {**

**var empName:String**

**var empID:Int**

**var empSalary:Double**

**func salaryAfterDeduction()->Double{**

**return self.empSalary\*0.65;**

**}**

**}**

**var employee=Employee(empName:"****Gaurav Rathod",empID: 34567,empSalary: 100000)**

**Answer the below questions based on struct Employee:**

**print("Employee Details: ")**

**print("ID = \(employee.empID)")**

**print("Name = \(employee.empName)")**

**print("Salary = \(employee.empSalary)")**

1. **print("The salary after tax deduction is : \(employee.salaryAfterDeduction())")**
2. **let emp1=employee;**

**emp1.empName="****Nithish Golama "**

**print(employee.empName+" "+emp1.empName)**

1. **struct TemparatureConverter{**

**var toCelsius: Double**

**init(fahrenheit: Double) {**

**toCelsius = (fahrenheit - 32.0) / 1.8**

**}**

**init( kelvin: Double) {**

**toCelsius = kelvin - 273.15**

**}**

**init(\_ celsius: Double) {**

**toCelsius = celsius**

**}**

**}**

**let temp1 = TemparatureConverter(fahrenheit: 212.0)**

**print(temp1.toCelsius)**

**let temp2 = TemparatureConverter(kelvin: 273.15)**

**print(temp2.toCelsius)**

**let temp3 = TemparatureConverter(37.0)**

**print(temp3.toCelsius)**