PROBLEM 1C Evaluation - Design   **Max mark: 2**

1.   Let **n** be number of courses in array **Course**.
2.   Declare an additional field **count** to course struct
3.   Max_Value=0
4.   For i in range 0 to n-1
     4.1.   Course[i].count=getNumNodes(Course[i].regList)
     4.2.   If(Max_Value<Course[i].count)
            4.2.1.   Max_Value=Course[i].count   (steps 1-4: 1 mark)
5.   For i in range 0 to n-1
     5.1.   If(Course[i].count=Max_Value)
            5.1.1.   Print(Course[i].code)   (step 5: 0.5 mark)

getNumNodes(x)

1.   If x= NULL
     1.1.   Return 0
2.   Else
     2.1.   Return 1+ getNumNodes(x.left) + getNumNodes(x.right)   (steps 1-2: 0.5 mark)