



Student
- StudentId : int - StudentName : String - StudentAge : int
+ Student(stuId:int, stuName:String, age:int) + getter() / setter()

Section
- arrayStu : Student[] - counter:int
+ Section( size:int) + addStudent(stu: Student ):Boolean + searchStudent(stuid:int):int +calculateTotalAges():int +calculateAvgAge():double +printStuData( stuid:int):void +deleteStu(( stuid:int):Boolean +findMaxAge():int +findMinAge():int

**Question#1: Write the Java code for classes Student and Section**

*Class Section:*

*AddStudent(student:stu):* It will add the student details in the Array of objects(arrayStu) , returns true if successfully added otherwise it will return false.



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Lab #1: Array of Objects



*SearchStudent(stuid:id)*: It will search for the detail of the student using the ID and return the index of the array. If not found, it returns -1.

*calculateTotalAges()*: calculate and returns the sum of ages of all students.

*calculateAvgAge()*: calculates and returns the average student age of the section.

*printStuData( stuid:int)*: Prints the information about the student whose student id is stuid otherwise it displays “Student not Found”.

*deleteStu(( stuid:int)*: This method will delete student with given id stuid and returns true otherwise returns false if student is not found

*findMaxAge()*: return the maximum age of the student in the section.

*findMinAge()*: return the minimum age of the student in the section.

## Question#2

**Create a test class and creates an object of the Section class with size 10. Create 5 students objects and add them in section. Delete any one of the students, display maximum and minimum ages of the students in the section.**