

1. In a railway reservation system, a particular bogey is allocated for women passengers. The bogey comprises 72 allocated seats. The first preference is given to female passengers whose age is greater than or equal to 65 years. Passengers can provide their choice of seats that include i) lower, ii) upper, iii) middle, iv) side lower, and v) side upper. Write a java code that allocates seats to the passengers according to their requests. If the number of requests exceeds the total number of seats in the bogey, it should give the message that reservation is full.
2. Write a program in which a super class Course is defined with the following details:
Data members: i) credit (it is an integer variable) ii) medium
Method:
number() to calculate the total number of students registered for the course. If the number is exceeding the minimum number is defined, the course will be floated otherwise not.
display() that shows whether the course is floated.
Derive a subclass for two courses, namely courseA and courseB that would show the total number of students registered for these courses and the course details.