1.Create an Abstract class Student with Name, StudentId, Grade as members and also an abstract method Boolean Ispassed(grade) which takes grade as an input and checks whether student passed the course or not.

Create 2 Sub classes Undergraduate and Graduate that inherits all members of the student and overrides Ispassed() method

For the UnderGrad class, if the grade is above 70.0, then isPassed returns true, otherwise it returns false. For the Grad class, if the grade is above 80.0, then isPassed returns true, otherwise returns false.

2. . Create an console application to book train tickets. Create a Passenger class with (Name, Age) and write a function called TicketBooking(no\_of\_tickets) that takes no.of tickets to be booked. If the no of tickets is > 2 per booking, raise an user defined exception, and print "cannot book more than 2 tickets". Else Print "Ticket Booked Successfully". Add a Test class to call TicketBooking method by accepting all required details.