**Superior Airlines**

Superior Airlines has started a new flight service. They want to create an application for booking flight tickets where travellers can book the tickets online with the seat types of their choice. The airline wants to calculate the total price of tickets as per the seat type and the number of tickets. You being their software consultant help them with the process by developing a C# application.

In **class Ticket**, implement the below-given properties.

Data Type Property name

string PassengerName

string Seat Type

string Seatid

int NumberOfTicket

In **class Service**, implement the below given methods and also Inherit the class Ticket

Method

public bool ValidateSeatid()

Description

This method is used to validate the seat id. The seat id should be three characters. The first character should be an alphabet in uppercase, followed by two digits.

Example: A12

If the above conditions are satisfied, then return true. Otherwise return false.

public double CalculatePrice()

This method is used to calculate the total ticket price based on the seat type and return it.

The formula for calculating the total price is given below.

Formula: Total Price = Ticket Price \* NumberOfTickets

Seat Type

Price

Premium

70000

Business

50000

First

20000

Economy

15000

In Program class-Main method,

1. Get the values from the user

2. Call the ValidateSeatid method, If it returns true, then move on to step 3, if it returns false then display Invalid seat id

3. Use the values in method CalculatePrice and display the result as per the sample output.

**Sample Input 1:**

Enter the passenger name

John

Enter the seat type

Premium

Enter the seat id

A23

Enter number of tickets

2

**Sample Output 1:**

Total ticket price is 140000

Sample Input 2:

Enter the passenger name

David

Enter the seat type

Economy

Enter the seat id

AB23

Enter number of tickets

3

**Sample Output 2:**

Invalid seat id