Experiment - 4

1. Write a class called Phone that contains instance data that represents the make, model, and year of the phone. Define the Phone constructor to initialize these values. Include getter and setter methods for all instance data, and a toString method that returns a one-line description of the phone. Add a method called isObsolete that returns a boolean indicating if the phone is obsolete (if it is more than 10 years old). Create a driver class called PhoneCheck, whose main method instantiates and updates several Phone objects.

2. A small airline has just purchased a computer for its new automated reservation system. You have been asked to develop the new system. Write an application to assign seats on each flight of the airline's (capacity: 10 seats) Your application should display the following alternatives: Please type1 for FirstClass and Please type2 for Economy. If the user types 1, your application should assign a seat in the first class section(1-5). If user type 2, your application should assign a seat in the economy section (6-10). Your application should then display a boarding pass indicating the person's seat number and its class. Use 1D array of type Boolean type to represent the seating chart of the plane. Initialize it to false indicating all the seats are empty. The change its value according to assignment. Your application should never assign a seat that has been already assigned.