**Structure**

|  |  |
| --- | --- |
|  | Write a Structure named ***Student*** with the following attributes:  int id  string name  double cgpa  char gender  int creditCompleted  string department  The structure also has the following method:  bool checkProbation( )  The method checks for students whose cgpa is less than 2.5.  Write a main method to create an array of 5 students and print the name of the probation students from the array. |
|  | Write a Structure named ***Book*** with the following attributes:  string isbn  string title  string authorName  int publicationYear  double price  int noOfPages  The structure also has the following method:  bool checkOldBook( )  The method checks for Books whose publication year is before than 1950.  Write a main method to create an array of 5 Books and print the title of the Old Books from the array. |
|  | Write a Structure named ***Mobile*** with the following attributes:  string manufacturerName  string modelName  int ram  int rom  double cameraPixel  double price  The structure also has the following method:  bool isForGaming( )  The method checks for Mobile which has more than 6GB Ram.  Write a main method to create an array of 5 Mobiles and print the manufacturer name and model name of the Mobiles from the array which are recommended for gaming. |
|  | Write a Structure named ***Teacher*** with the following attributes:  int id  string name  double salary  string designation  string department  The structure also has the following method:  bool isLecturer( )  The method checks for Teachers whose designation is Lecturer.  Write a main method to create an array of 5 Teachers and print the name of the Teachers from the array who are Lecturer. |