

Question 1 — Class: OnlineCourse

Create a class named **OnlineCourse** with the following data members:

- courseName
- instructor
- duration
- platform
- fee
- rating

Write one member function named **showCourseInfo()** to display all course details.

Task for students:

Create an object of **OnlineCourse**, assign values to all data members, and call **showCourseInfo()**.

Question 2 — Class: MovieTicket

Create a class named **MovieTicket** with the following data members:

- movieName
- theatreName
- seatNumber
- showTime
- price
- viewerName

Write one member function named **printTicket()** that displays the ticket details.

Task for students:

Create an object of **MovieTicket**, initialize all the data members, and call **printTicket()**.

Question 3 - BST + Deletion

Question 4 - BST + Search Element

Question 5 - BST + Inorder, Preorder

[Compulsory Question for all]

Question 6 - Create a BST, a MIN heap, and a MAX heap using the following set of elements: **25, 12, 30, 8, 15, 28, 35, 5**