AP Computer Science Lab (Chapter 5)

Movie Ticket and Sales

Write a mini program that handles the discount rate and price to the people when they buy the movie tickets based on the discount rate applied on the people’s age. You can create a class called “MovieTicket”. In this class, you may have 2 private instance variables: Age and DiscountRate. The discount rate for different age group is listed in the following. In addition, this class should have 2 constructor: no-arg and parameter ones. Another class called “MovieTicketSales” should have a mini program to use the “MovieTicket” and calculate the total cost for the tickets that the customer purchased. Suppose the regular movie ticket is $7.95/person.

Discount Rate for Ages:

Age 0 – 2: 100% Age 3 – 6: 90% Age 7 – 11: 70%

Age 12 – 18: 50% Age 19 – 22: 30% Age 23 – 64: 0%

Age 65 or + : 40%