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1. One the obstacles I had to overcome was the fact that initially, the price wasn’t be changed according to the pricing algorithm implemented in my code. However, I soon discovered that placing the variable t of type ‘Ticket’ just before the return statement of each function allowed the algorithm to be implemented and rice displayed accordingly.

1. Data that can be used for testing:
2. [ Using all functions getPrice, getRow, getSeat, and getKind on each along with buyRoyceHallTicket, buyRoyceHallStudentTicket, and buyRoyceHallStaffTicket accordingly]
   * ( "Pavilion Row 13", 45, "Dodgers vs. Brewers", "Dodger Stadium", 150.00, Ticket::KIND::ATHLETICGAME, "August 1, 7:30PM" )
   * ( "Pavilion Row 12", 56, "Dodgers vs. Brewers", "Fox theatre", 60.00, Ticket::KIND::MOVIE, "August 5, 7:30PM" )
   * ( "Pavilion Row 18", 56, "Forrest Gump", "Fox theatre", 50.00, Ticket::KIND::MOVIE, "August 5, 7:30PM" )
   * ( "Pavilion Row 2", 84, "Linkin park Tour", "Fox theatre", 200.00, Ticket::KIND::CONCERT, "August 18, 9:30PM" )
   * buyRoyceHallStudentTicket( "Orchestra Row U", 32, "The Shawshank Redemption", Ticket::KIND::MOVIE, "September 1, 7:30PM" )
   * buyRoyceHallStudentTicket (“Orchestra Row U", 20, "Episode VII: The Force Awakens", Ticket::KIND::MOVIE, "September 18, 11:30AM" )
   * buyRoyceHallStudentTicket (“Orchestra Row M", 20, " The Shawshank Redemption ", Ticket::KIND::MOVIE, "September 18, 11:30AM" )
   * buyRoyceHallStudentTicket (“Balcony Row M", 20, " The Shawshank Redemption ", Ticket::KIND::MOVIE, "September 18, 11:30PM”)
   * buyRoyceHallStudentTicket (“Balcony Row M", 20, " Linkin park", Ticket::KIND::CONCERT, "September 18, 11:30PM" )
   * buyRoyceHallStudentTicket (“Orchestra Row M", 20, "Arsenal vs Spurs ", Ticket::KIND::ATHLETICGAME, "September 18, 6:30PM" )
   * buyRoyceHallStudentTicket (“Orchestra Row M", 20, "Street Show ", Ticket::KIND::OTHER, "September 18, 6:30PM" )
   * buyRoyceHallStudentTicket (“Balcony Row M", 20, "Street show", Ticket::KIND::OTHER, "September 18, 6:30PM" )
   * buyRoyceHallStudentTicket (“Balcony Row M", 20, "Arsenal vs Spurs ", Ticket::KIND::ATHLETICGAME, "September 18, 6:30PM" )
   * buyRoyceHallStudentTicket (“Orchestra Row M", 20, "Linkin Park", Ticket::KIND::CONCERT, "September 18, 11:30AM" )
   * buyRoyceHallStudentTicket (“Balcony Row M", 20, "Linkin Park", Ticket::KIND::CONCERT, "September 18, 11:30AM" )
   * buyRoyceHallStudentTicket (“Orchestra Row Q", 20, "Linkin Park", Ticket::KIND::CONCERT, "September 18, 11:30PM" )
   * buyRoyceHallTicket( "Orchestra Row U", 32, "The Shawshank Redemption", Ticket::KIND::MOVIE, "September 1, 7:30PM" )
   * buyRoyceHallStudentTicket (“Orchestra Row U", 20, "Episode VII: The Force Awakens", Ticket::KIND::MOVIE, "September 18, 11:30AM" )
   * buyRoyceHallTicket (“Orchestra Row M", 20, " The Shawshank Redemption ", Ticket::KIND::MOVIE, "September 18, 11:30AM" )
   * buyRoyceHallTicket (“Balcony Row M", 20, " The Shawshank Redemption ", Ticket::KIND::MOVIE, "September 18, 11:30PM”)
   * buyRoyceHallTicket (“Balcony Row M", 20, " Linkin park", Ticket::KIND::CONCERT, "September 18, 11:30PM" )
   * buyRoyceHallTicket (“Orchestra Row M", 20, "Arsenal vs Spurs ", Ticket::KIND::ATHLETICGAME, "September 18, 6:30PM" )
   * buyRoyceHallTicket (“Orchestra Row M", 20, "Street Show ", Ticket::KIND::OTHER, "September 18, 6:30PM" )
   * buyRoyceHallTicket (“Balcony Row M", 20, "Street show", Ticket::KIND::OTHER, "September 18, 6:30PM" )
   * buyRoyceHallTicket (“Balcony Row M", 20, "Arsenal vs Spurs ", Ticket::KIND::ATHLETICGAME, "September 18, 6:30PM" )
   * buyRoyceHallTicket (“Orchestra Row M", 20, "Linkin Park", Ticket::KIND::CONCERT, "September 18, 11:30AM" )
   * buyRoyceHallTicket (“Balcony Row M", 20, "Linkin Park", Ticket::KIND::CONCERT, "September 18, 11:30AM" )
   * buyRoyceHallTicket (“Orchestra Row Q", 20, "Linkin Park", Ticket::KIND::CONCERT, "September 18, 11:30PM" )
   * buyRoyceHallStaffTicket( "Orchestra Row U", 32, "The Shawshank Redemption", Ticket::KIND::MOVIE, "September 1, 7:30PM" )
   * buyRoyceHallStaffTicket (“Orchestra Row U", 20, "Episode VII: The Force Awakens", Ticket::KIND::MOVIE, "September 18, 11:30AM" )
   * buyRoyceHallStaffTicket (“Orchestra Row M", 20, " The Shawshank Redemption ", Ticket::KIND::MOVIE, "September 18, 11:30AM" )
   * buyRoyceHallStaffTicket (“Balcony Row M", 20, " The Shawshank Redemption ", Ticket::KIND::MOVIE, "September 18, 11:30PM”)
   * buyRoyceHallStaffTicket (“Balcony Row M", 20, " Linkin park", Ticket::KIND::CONCERT, "September 18, 11:30PM" )
   * buyRoyceHallStaffTicket (“Orchestra Row M", 20, "Arsenal vs Spurs ", Ticket::KIND::ATHLETICGAME, "September 18, 6:30PM" )
   * buyRoyceHallStaffTicket (“Orchestra Row M", 20, "Street Show ", Ticket::KIND::OTHER, "September 18, 6:30PM" )
   * buyRoyceHallStaffTicket (“Balcony Row M", 20, "Street show", Ticket::KIND::OTHER, "September 18, 6:30PM" )
   * buyRoyceHallStaffTicket (“Balcony Row M", 20, "Arsenal vs Spurs ", Ticket::KIND::ATHLETICGAME, "September 18, 6:30PM" )
   * buyRoyceHallStaffTicket (“Orchestra Row M", 20, "Linkin Park", Ticket::KIND::CONCERT, "September 18, 11:30AM" )
   * buyRoyceHallStaffTicket (“Balcony Row M", 20, "Linkin Park", Ticket::KIND::CONCERT, "September 18, 11:30AM" )
   * buyRoyceHallStaffTicket (“Orchestra Row Q", 20, "Linkin Park", Ticket::KIND::CONCERT, "September 18, 11:30PM" )