Object Array Worksheet

***Use the classes Ticket and Transaction to answer the questions below..***

*public class Ticket {*

*private String* ***row****;*

*private int* ***seat****;*

*private double* ***price****;*

*//constructor*

*public Ticket(String aRow, int aSeat, double aPrice) {*

***row*** *= aRow;*

***seat*** *= aSeat;*

***price*** *= aPrice;*

*}*

*//accessors getRow(), getSeat(), and getPrice()*

*}*

*----------------------------------------------------------------*

*public class Transaction {*

*private int* ***numTickets****;*

*private Ticket[]* ***tickList****;*

*//constructor*

*public Transaction(int numTicks){*

*numTickets = numTicks;*

*tickList = new Ticket[numTicks];*

*String theRow;*

*int theSeat;*

*double thePrice;*

*for (int i = 0; i < numTicks; i++) {*

***< read user input for theRow, theSeat, and thePrice >***

***/\* more code \*/***

*}*

*}*

*/\*\* @return total amount paid for this transaction \*/*

*public double totalPaid(){*

*double total = 0.0;*

***/\* code to calculate amount \*/***

*return total;*

*}*

*}*

*----------------------------------------------------------------*

*Which of the following correctly replaces /\* more code \*/ in the Transaction*

*constructor to initialize the tickList array?*

*(A) tickList[i] = new Ticket(getRow(), getSeat(), getPrice());*

*(B) tickList[i] = new Ticket(theRow, theSeat, thePrice);*

*(C) tickList[i] = new tickList(getRow(), getSeat(), getPrice());*

*(D) tickList[i] = new tickList(theRow, theSeat, thePrice);*

*(E) tickList[i] = new tickList(numTicks);*

|  |
| --- |
| *A* |

*Which represents correct /\* code to calculate amount \*/ in the totalPaid*

*method?*

*(A) for (Ticket t : tickList)*

*total += t.price;*

*(B) for (Ticket t : tickList)*

*total += tickList.getPrice();*

*(C) for (Ticket t : tickList)*

*total += t.getPrice();*

*(D) Transaction T;*

*for (Ticket t : T)*

*total += t.getPrice();*

*(E) Transaction T;*

*for (Ticket t : T)*

*total += t.price;*

|  |
| --- |
| *C* |

*15. Suppose it is necessary to keep a list of all ticket transactions. Assuming that*

*there are NUMSALES transactions, a suitable declaration would be*

*(A) Transaction[] listOfSales = new Transaction[NUMSALES];*

*(B) Transaction[] listOfSales = new Ticket[NUMSALES];*

*(C) Ticket[] listOfSales = new Transaction[NUMSALES];*

*(D) Ticket[] listOfSales = new Ticket[NUMSALES];*

*(E) Transaction[] Ticket = new listOfSales[NUMSALES];*

|  |
| --- |
| *D* |