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/**
 * @author Harley Phung
 * Create a MarketBuyOrder for market maker to start transaction
public class MarketBuyOrder extends Order implements MarketOrder, BuyOrder{
    /** the Stock symbol of the market maker */
    private char stockSymbol = ' ';
    /** The number of shares of the order */
    private int numShares = 0;
    /** The price per share the market maker sell */
    private double numPrice = 0.0;
    /**The MarketMaker instance */
    private Trader buyMarket = null;
     * A constructor that have stock symbol, number of share, price per share and
trader instance as input
     * @param stockSymbol the symbol of the buy market order
     * @param numShares the number of shares of the buy market order
    * @param numPrice the price per share of the buy market order
     * @param buyMarket the instace of the trader in this buy market order
    public MarketBuyOrder (char stockSymbol, int numShares, double numPrice, Trader
buyMarket) {
        this.stockSymbol = stockSymbol;
        this.numShares = numShares;
        this.numPrice = numPrice;
        this.buyMarket = buyMarket;
    }
    /**
     * Returns the stock symbol of the market maker
     * @return stockSymbol the symbol of this buy market order
     */
    @Override
    public char getStockSymbol() {
        return this.stockSymbol;
    /**
     * Returns the number of shares of the order
     * @return numShares the number of shares in this order
    */
    @Override
    public int getNumberShares() {
        return this.numShares;
    }
    /**
     * Changes the number of shares of the order
     * @param numShares new number of shares of the order
     */
   @Override
    public void setNumberShares(int numShares) {
        this.numShares = numShares;
    }
```

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/**
    * Returns desired price per share of the order
    * @return numPrice the price per share of the order
    */
   @Override
   public double getPrice() {
       return this.numPrice;
   }
    /**
    * An override method that override the isAllOrNone method
    * @return false marketMaker never trade all
   @Override
   public boolean isAllOrNone() {
       return false;
   }
    /**
    * An override method that override the isDayOrder method
    * @return true marketMaker always process in day order
   @Override
   public boolean isDayOrder() {
        return true;
   }
    /**
    * An override method that return instance of the market maker
    * @return buyMarket the instance of the market maker in this buy market order
    */
   @Override
   public Trader getTrader() {
        return this.buyMarket;
   }
    /**
    * toString method format the returned String
   @Override
   public String toString() {
        return this.getStockSymbol() + ", " + this.getNumberShares() + ", " +
this.getPrice()
           + '", " + this.getTrader();
   }
    * An abstract equals method that compared the two trader's information.
    * @param p compare the trader
    * @return true if there's identical market buy order
    * @return false if there's no identical market buy order
    */
   @Override
   public boolean equals(Object p){
        if(p instanceof MarketBuyOrder) {
            MarketBuyOrder newBuyOrder = (MarketBuyOrder)p;
            if(this.getStockSymbol() == newBuyOrder.getStockSymbol()
```

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&& this.getNumberShares() == newBuyOrder.getNumberShares()
    && this.getPrice() == newBuyOrder.getPrice()
    && this.getTrader() == newBuyOrder.getTrader()){
        return true;
    }
}
return false;
}
```