Homework #07

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**BS2-3**

# Question 1.

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# Question 2.

# Question 3. */\*\* \** ***@pre:*** *a precondition to test if a client is registered and not penalized. \** ***@post:*** *a postcondition to test if client's order list contains this order. \** ***@param client****: a client to bind order to. \*/* **public void** placeOrder(Client client){ **assert** client != **null** && !client.**penalised**; //***pre*** client.**orders**.add(**this**); **assert** client.**orders**.size() > 0; //***post*** } */\*\* \** ***@pre:*** *a precondition to test if amount is in limits. \** ***@post:*** *a postcondition to test if client's order contains this product; \** ***@param client****: a client to bind order to. \** ***@param product****: a product to add to the order. \** ***@param amount****: an amount of products to add, \*/* **public void** placeProductItem(Client client, Product product, **int** amount){ **assert** amount <= product.**numItemsInStock**; //***pre*** **int** price = client.**premiumClient** && amount >= 2 ? product.**premium**.**premiumPrice** : product.**normalPrice**;

OrderItem item = **new** OrderItem(product, amount, price \* amount);  
 **this**.**orderItems**.add(item);  
  
 **assert** 0 <= product.**numItemsInStock** && **orderItems**.size()>0 && **orderItems**.contains(item); //***post***  
}