**Practice “Collections and Generics”**

1. Arrays
   * Create array of five purchase and initialize it values.
   * Create array of array purchase and initialize it different count of the purchase.
2. List
   * Create list of orders with two items and calculate sum of two orders;
   * Add one more order to list and calculate sum of two orders;
   * Remove two orders from list and calculate sum of two orders;
   * Find index of all items from list.
3. Dictionary
   * Create dictionary of purchases with two items and calculate sum of all purchases (key is Customer, value is list of purchases);
   * Add one more item to dictionary and calculate sum of all purchases;
   * Remove two items from list and calculate sum of all purchases;
4. Linq
   * Create a list of orders and select name of all products from orders;
   * Create a list of orders and select name of all products from orders where discountType is High;
   * Create a list of orders and select name of all products from orders where discountType is Low and order by descending;
   * Create a list of orders, group by Customer.FirstName and select name of all products from;
   * Create a list of orders, group by Order and calculate average sum of each purchase;
   * Create a list of orders, select the first or default order where sum of order less than 100;
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5. Extension methods
   * Create extension method Calculate discount for Order class which will calculate discount for all purchase;