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Lecture 3
          Return an array that contains the exact same numbers as the given array, but rearranged so that all the even numbers come before all the odd numbers. Other than that, the <u>numbers can</u> be in any order. You may modify and return the given array, or make a new array.
           NEW INT [O]
          What test cases should we write to confirm that our implementation works? IN+LI even Odd (intli any) & vature
                                                                                                 wull; 3
           ZI
                                                                                      1st index 0
                            [2,4,1,3],[4,2,1,3]
                                                                                      last index array, lensth-1
                                                                                            class Cl extends CZ ?
          Java Inheritance

    Single inheritance of implementation using extends

    Multiple inheritance of interface using implements

          What is the annotation @Override used for?
          Optional - compiler error if parameters are different
                                                                                                                    erload = some me.
different parameters
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different
singuitare
                                                                                                               Overload > some method vame,
          What is the difference between overriding and overloading a method?
          Override > rue laces inplementation of a method in a class

(Same heads) soft inplement of a method in a class

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(Complete the following interface and class definitions for an add method that takes a String as parameter and also an insert method that takes an int and a String as parameters. Leave all method bodies empty.
           interface StringList {
public abstract void add (String 5);
          asstrativid insert (intindex string s);
           class StringListImpl implements Stringlist
                C (Vurilly add (String 5) 8 3
                @Overithe public voil (used (indipular, String s) 13
                                                                                                          Code: 9117
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assert Array Equals (ED, ED);

Array, equals (ED, ED);

Array, equals (ED, ED);

fail (False) ?

fail (False) ?

Arrays, to String (array)

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