```
public class assignment {
       public static void main(String[] args) {
             // TODO Auto-generated method stub
             Create an array of int called ages that contains the following values:
      1.
3, 9, 23, 64, 2, 8, 28, 93
              int[] ages = { 3, 9, 23, 64, 2, 8, 28, 93, 95 };
                    Programmatically subtract the value of the first element in the
//
array from the value in the last element of the array
              (i.e. do not use ages[7] in your code).
//
//
             Print the result to the console.
             System.out.print("Answer 1 : ");
             System.out.print(ages[ages.length-1] - ages[0]);
                    Add a new age to your array and repeat the step above to ensure
it is dynamic (works for arrays of different lengths).
                    Use a loop to iterate through the array and calculate the average
//
age. Print the result to the console.
             int sum = 0;
              for (int i=0; i<ages.length;i++) {</pre>
                    sum=sum+ages[i];
              }System.out.print("
             System.out.println(sum/ ages.length);
                   Create an array of String called names that contains the
following values: "Sam", "Tommy", "Tim", "Sally", "Buck", "Bob".

String[] names = {"Sam", "Tommy", "Tim", "Sally", "Buck", "Bob"};
                    Use a loop to iterate through the array and calculate the average
//
number of letters per name.
             Print the result to the console.
//
              double average = 0;
              for (int i = 0; i < names.length; i++) {</pre>
                    System.out.println(names[i].length());
//
                    average=average+names[i].length();
             System.out.print("Answer 2 : ");
             System.out.print(average/ names.length);
              System.out.print(" ");
//
                    Use a loop to iterate through the array again and concatenate all
the names together, separated by spaces,
              and print the result to the console.
//
              String result = "";
              for ( int i = 0; i < names.length; i++) {</pre>
                     result = result + " " + names[i];
              System.out.println(result.trim());
//
              3. How do you access the last element of any array?
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int last = names.length-1;
              System.out.print("Answer 3 : ");
              System.out.println(names[last]);
                    How do you access the first element of any array?
//
              System.out.print("Answer 4 : ");
              System.out.println(names[0]);
                   Create a new array of int called nameLengths.
//
              Write a loop to iterate over the previously created names array and
//
//
              add the length of each name to the nameLengths array.
//
              int nameLengths = 0;
              System.out.print("Answer 5 : ");
              for ( int i = 0; i < names.length; i++) {</pre>
                     System.out.print(names[i].length() + " ");
                     nameLengths+=names[i].length();
//
              int[] nameLengths = { 3, 5, 3, 5, 4, 3 };
//
                    Write a loop to iterate over the nameLengths array and
//
              calculate the sum of all the elements in the array.
//
              Print the result to the console.
              int result1 = 0;
              for ( int i = 0; i < nameLengths.length; i++ ) {</pre>
                     result1 = result1 + nameLengths[i];
              }System.out.println();
              System.out.print("Answer 6 : ");
              System.out.println(result1);
                   Write a method that takes a String, word, and an int, n,
//
              as arguments and returns the word concatenated to itself n number of
//
times.
              (i.e. if I pass in "Hello" and 3, I expect the method to return
//
"HelloHello").
              System.out.print("Answer 7 : ");
              myMethod("Hello",3);
//
                   Write a method that takes two Strings, firstName and lastName,
//
             and returns a full name (the full name should be the first and
//
                          the last name as a String separated by a space).
              System.out.print("Answer 8 : ");
              myMethod1("Katie", "Patel");
//
                   Write a method that takes an array of int and returns true if the
sum of all the ints in the array is greater than 100.
             int[] hello = {1,45,67,45,6};
             System.out.print("Answer 9 : ");
             System.out.println(myMethod2(hello));
             double[] hello1 = {1,23,34,34,678};
             System.out.print("Answer 10 : ");
             System.out.println(myMethod3(hello1));
             double[] hello2 = {1,23,34,24};
             System.out.print("Answer 11 : ");
             System.out.println(myMethod4(hello1,hello2));
             boolean isHotOutside = true;
             double moneyInPocket = 10.51;
             System.out.print("Answer 12 : ");
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System.out.println(willBuyDrink(isHotOutside,moneyInPocket));
             myMethod5(5,5,5);
             System.out.print("Answer 13 : ");
             System.out.println(myMethod5(5,5,5));
             public static void myMethod(String name, int n) {
                    String result="";
                    for ( int i =0; i < n; i++ ) {</pre>
                           result+=name;
                    System.out.println(result.trim());
             public static void myMethod1(String firstName, String lastName) {
                    String result1= firstName + " " + lastName;
                    System.out.println(result1);
             public static boolean myMethod2(int[] score) {
                    int sum = 0;
                    boolean success = false;
                    for (int i = 0; i < score.length; i++) {</pre>
                           sum = sum+score[i];
                           if (sum > 100); {
                                  success= true;
//
                                  System.out.println(success);
                           }
//
                    System.out.println(success);
                    return success;
             }
             10.
                    Write a method that takes an array of double and returns the
average of all the elements in the array.
             public static double myMethod3(double[] scores ) {
                    double sum1 = 0;
                    for (double i : scores) {
                           sum1+=i;
                    }
                    return sum1 / scores.length;
             public static boolean myMethod4(double arr1[],double arr2[]) {
                    double sum3 = 0;
                    for ( int i = 0; i < arr1.length; i++) {</pre>
                           sum3 = sum3 + arr1[i];
//
                    System.out.println(sum3/arr1.length);
                    double sum4 = 0;
                    for ( int i = 0; i < arr2.length; i++) {</pre>
                           sum4 = sum4 + arr2[i];
//
                    System.out.println(sum4/arr1.length);
                    return ((sum3/arr1.length)>(sum4/arr1.length));
             public static boolean willBuyDrink(boolean isHotOutside, double
moneyInPocket ) {
```

```
return ( isHotOutside == true && moneyInPocket > 10.50 );
                                                                                    }
                                                                                   public static int myMethod5( int num1, int num2, int num3) {
                                                                                                                             return ((num1 + num2 )/ num3);
                                                                                   }
                                                                                                                            Write a method that takes two arrays of double and returns true
//
                                                                                   if the average of the elements in the first array is greater than the
average of the elements in the second array.
                      a problem. In comment

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                                                                                                                          Write a method called willBuyDrink that takes a boolean
                                                                                  12.
isHotOutside,
moneyInPocket is greater than 10.50.
write what the method does and why you created it.
one
//
eclipse-workspace - week3-4 coding assignment/src/assignment.java - Eclipse IDE
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  ## public static void main(String[] args) {

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## public static void main(String[] args) {

## week2 boolean operators

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## week2 boolean operators

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