----------StringUniqueCharacters.java----------

```
import java.util.Scanner;
public class StringUniqueCharacters {
  public static void main(String[] args) {
    //Prompt user for string
    System.out.print("Please enter a string: ");
    Scanner input = new Scanner(System.in);
    //Store user input in string
    String str = input.nextLine();
   /*If else statement to decide whether to print the user's string was all unique
    characters or not*/
    if(isUniqueChars(str.toLowerCase()) == true)
    {
    System.out.println("Your string had all unique characters.");
    }
    else
    {
    System.out.println("Your string did not have all unique characters.");
    }
}
  //Method to determine if all characters are unique
  public static boolean isUniqueChars(String str) {
    //Initialize a boolean array
    boolean[] char_set = new boolean[256];
    for (int i = 0; i < str.length(); i++) {
    //get ASCII value of characters
    int val = str.charAt(i);
    /*Check boolean array. If it is unique then set the value to true at corresponding index position.
    If value is already set at the required index position then return false*/
    if (char_set[val])
      return false;
      char_set[val] = true;
      }
      return true;
    }
 }
```

----------TourPrices.java----------

```
import java.util.Arrays;
class TourPrices
{
  public static void main (String[] args)
  {
    //declare array of prices
```

```
    int[] x = {54, 159, 35, 57, 52,
               49, 59, 33, 48, 33, 40,
               14, 58, 37, 47, 33,
               29, 25, 25};
    //Sort array in ascending order
    Arrays.sort(x);

    //Assign max and min values
    int maximum = x[18];
    int minimum = x[0];

    //Initialize sum to 0
    int sum = 0;

    //Loop to sum all numbers of array
    for (int i = 0; i < x.length; i++)
    {
      sum += x[i];
    }

    //Get average by dividing sum by number of prices
    int average = sum / x.length;

    //Get median
    int median = x[9];

    //Output results
    System.out.print("The average cheapest ticket price was " +
    average + ", the maxiumum was " + maximum + ", the minimum was "
    + minimum + ", and the median was " + median + ".");
   }
}
```