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/*********************************************************/
/*** Purpose: Test class to illustrate Search class ***/
/***                                                   ***/
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/***                                                   ***/
/*********************************************************/



public class TestSearch
{

   public static void main(String[] args)
   {

       int[] test1 = {18,69,201,331,492,17,67,209,372,498};
       int[] test2 = {20,832,1452,1937,2615,87,851,1350,1990,2631};

       Search S = new Search(100, 151);

       /** Read in data **/
       S.readFileIn("data1.txt");

       S.readIntoHash("data1.txt");

       System.out.println("\n======Total number of collisions when
           entering into hash array with data set 1========");
       System.out.println(S.getCollisions());

       Search S2 = new Search(1000, 1499);

       S2.readFileIn("data2.txt");

       S2.readIntoHash("data2.txt");

       System.out.println("\n======Total number of collisions when
           entering into hash array with data set 2========");
       System.out.println(S2.getCollisions());

       S.displayData(10, "Test 1 Array");
       S.displayHash(10);


       System.out.println("\n\n======Test 1========");
       S.testSearches(test1);
       System.out.println("\n======Totals & Averages for Test 1========")
           ;
       S.getTotals();


       System.out.println("\n\n======Test 2========");
       S2.testSearches(test2);
       System.out.println("\n======Totals & Averages for Test 2========")
           ;
       S2.getTotals();
```

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        }
    }
```