

```

/*****
/** 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");

        Search S2 = new Search(1000, 1499);

        S2.readFileIn("data2.txt");

        S2.readIntoHash("data2.txt");

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

        S2.displayData(50, "Test 2 Array");
        S2.displayHash(50);

        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();

    }
}

```