

Program 2b pgm2bcop3530ds - cop3530 Data Structures and Algorithms

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- Program must be named: yourLastNameFirstLetterOfYourFirstNamepgm2.java
If your name is George Washington the program should be named:
WashingtonGpgm2.java
- Turn in the signed source code on paper, and email me the source code.
- Make sure the program is properly documented and aligned uniformly, looking professionally, I will take points off if it is not.
- Include the following header in every program:

```

/*****
Author      : Your Name
Course     : COP 3530 Date, Time and place of class
Professor  : Michael Robinson
Program #  : Program Purpose/Description
            {A brief description of the program }
Due Date   : MM/DD/YYYY

```

Certification:

I hereby certify that this work is my own and none of it is the work of any other person.
.....{ your signature }.....

```

/*****/

```

Purpose of this program: Implement chapter 5 && 6 ideas

```

*****
* Use either the implementations shown in the Data Structures Book *
* or the Java api classes *
*****

```

1 - Worth 4 points

Implementation of Hashing

- Download the data file located at :
<http://users.cis.fiu.edu/~mrobi002/downloads/dataSample/dataSample>
- Create a Hash data structure using the previous data, as follows:
- Parse the all data using each field as the key
- In the value colum keep track of how many times you find each unique word in the file
- Sort the data in the Hash
- Print all the FINAL data produced at this time.
- Print the time it took to do the previous work.

2 - Worth 4 points

Implementation of Maps

- Download the data file located at :
<http://users.cis.fiu.edu/~mrobi002/downloads/dataSample/dataSample>
- Create a map data structure using the previous data, as follows:
- Parse the all data using each field as the key
- In the value colum keep track of how many times you find each unique word in the file
- Print all the FINAL data produced at this time.
- Print the time it took to do the previous work.