Paxton Proctor

CMPS 4143-101 Cont: Java Python

Prof Das

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Program Assignment #4

Problem #1

* Write a program using file operation

1. Output:

Student with the Highest grade in the class and congrats for being the smartest one in class : Eddy Sheen

Highest grade in the class because someone was either a try hard or very lucky : 97

The Lowest Grade in the class because good god this grade is apparently low : 63

Student with the Worst grade in the class and should probably drop out and live a better life : Thomas BradyBunch

The Class Average Was : 82.50

Total of freshmen students : 3

Total of Sophomores students : 0

Total of Juniors students : 1

Total of Seniors students : 1

1. Input:

* Students.dat

1. Algorithm:

* No algorithm

1. Steps:

* Get Files
* Read each line and split each line into elements
* Get high and low answers and get the names and classification
* Print answers

Problem #2

Create anagram groups

1. Output:

["eat","tea","tan","ate","nat","bat"]

1. Input:

* Your input

1. Algorithm:

No algorithm

1. Steps

So split, sort using a key create dictionary go through each element in string and append the items.

Problem #3

* Use oop methods

1. Output/Input:

Anything you so desired

1. Algorithm:

* Nothing

1. Steps:

* Create a bank account, checking, and savings child, and customer, add a withdraw, balance, and deposit to the program. And then lastly use the poly, get and set methods and abstract methods.