

"""

File: design1.py

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Description: Allows the user to 1) compute and display the number of people, mean, median, standard deviation, highest value, and lowest value for a set of files containing the grades received by students in CMSC 201.

Program Assumptions:

- Each data file will contain names, student IDs, and integer or float values ≥ 0.0
- Each data file will contain > 2 values
- No user keyboard input will be required

"""

CONSTANTS, IF ANY, GO HERE!

#####

def mean(values):

"""

computes the mean of a set of numeric values

:param filename: a list of integers or floats

:return : a float that is the mean of the list elements

"""

#####

def median(values):

"""

finds the median of a set of numeric values

: param values: a list of integers or floats

: return: a float that is a median of the list

"""

REMAINING FUNCTION HEADERS AND COMMENTS GO HERE!

#####

if __name__ == '__main__':

READ IN EACH FILE

BREAK STRING INTO COMPONENTS

CALL FUNCTION TO CALCULATE MEAN

```
# CALL FUNCTION TO CALCULATE MEDIAN
```

```
# REMAINING PSEUDOCODE GOES HERE!!!
```