Project 3 - Files

**Description**

For this project, you will be processing a CSV file containing scores from a game tournament.

**Requirements:**

You shall manually create a CSV file to store names and scores. The file format is last name, first name, score 1, score 2, score 3, score 4. Scores range from 1-50, or -1 if no score available. Enter at least 7 players into your data file.

Read in the tournament results data file (created above).

Players with one or more -1 scores are disqualified and their names are written to an output file using the format: name “didn’t participate in round(s) “ and list the rounds in which the player did not participate (those with a -1 value). Raise a custom exception to process disqualifying rounds.

Generate and display to the user the following:

Person(s) with highest total score from 4 rounds (score 1 – score 4) and their score (all players). Include -1 scores.

Person(s) with lowest total score from 4 rounds and their score (all players). Include -1 scores.

The median and mean (to one decimal place) total scores from all qualified participants

The mean score for each round, only using participants with valid scores (1-50) in that round, shown to one decimal place.

Ex. Bob Mann has scores 48, -1, 13, -1 so would be included in average score calculation for rounds 1 & 3 only

Write to a second output file the name and total score (exclude -1 values) of all participants, highest score to lowest score. In case of ties, list tying participants in alphabetical order, by last name then first name.

**Report:**

Submit a report listing your script, snippets (snipping tool) of your output, listings of your input file, and listings of both output files. Make sure your snippets and output files demonstrate all program requirements as having been met.