

## Bowling Tournament Brackets

In a particular bowling league, there is a side bet called Brackets. Players advance from one bracket to the next by getting a higher score than another player until a final winner is determined.

Here is an example where there were three games in the tournament:

Game 1	Game 2	Game 3	
Bob 252			
	Ava 251		
Ava 253			
		Ava 268	
Dave 244			
	Dave 249		
Eve 239			Hank \$25
			Ava \$10
Frank 288			
	Gina 277		
Gina 298			
		Hank 269	
Hank 299			
	Hank 281		
Ivy 228			



This bowling league wants to use a program to determine who wins money.

Each player in the tournament is randomly seeded in a brackets form and at each stage, the winner is determined by their scores in the corresponding game. The winners of game 1 are pitted against each other in game 2 as determined by the brackets form. At the end, the final two players are compared on game 3 with the winner getting \$25 and the runner-up getting \$10.

The players and their game scores are in a file named **tournament.txt**.

Read the data from this file.

Randomly place the names in the bracket and calculate the results.

### Second Step Requirements:

1. Handle many bowlers by putting them in brackets eight at a time. All brackets will have eight bowlers.
2. A bowler may enter as many brackets as they wish up to (and including) the number of brackets.
3. Two bowlers may not be seeded against each other in more than one bracket.
4. When this bowling league is holding a Doubles Tournament, we only have 2 scores per person, so a bracket can only have 4 people in it