RandomQueue Report

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Implementation of RandomQueue

Our program `RandomQueue.py` implements the complete API. The submission at time [19-02-2018 10:26] passed all tests on codeJudge.

We make use of a self enlarging list that doubles its size whenever it reaches its max capacity in the enqeue method. In the dequeue method the list is then shortened if needed. For the sample method, we make use of a randint as index for returning a sample. For the generator iterator method, we use the shuffle method and name it mine, which is then used by the pre-written generator loop

Notes

We ran into problems in the iterator method due to the fact that the second call for the method would overwrite the first shuffle. We then found out that we had to create the mine variable with a [:]. in order for it to be initialized only for the correct call.