

NAME :

Consider the response to an invitation for a party. Each invitee decides independently whether to be present or absent.

The bias of each invitee is represented by a float  $p$ , the probability that the invitee will come. Using the random function of the module `random`, if `random() < p`, then the invitee with bias  $p$  is present, and otherwise is absent.

Write the definition of a class `Invitee`, inheriting from the `Thread` class. Each invitee has a unique name: the string representation of an integer number in the range from zero to the number of invitees minus one. This name is used as the index of the list to record the response. This list is a data attribute, shared among all invitees. The presence of the  $i$ -th thread is stored as a Boolean value at the  $i$ -th position in the list to record the response of the  $i$ -th invitee.