**Estimated time**

20-45 minutes

**Level of difficulty**

Easy/Medium

**Objectives**

* improving the student's skills in defining classes from scratch;
* implementing standard data structures as classes.

**Scenario**

As you already know, a *stack* is a data structure realizing the LIFO (Last In – First Out) model. It's easy and you've already grown perfectly accustomed to it.

Let's try something new now. A *queue* is a data model characterized by the term **FIFO: First In – First Out**. Note: a regular queue (line) you know from shops or post offices works exactly in the same way – a customer who came first is served first too.

Your task is to implement the Queue class with two basic operations:

* put(element), which puts an element at end of the queue;
* get(), which takes an element from the front of the queue and returns it as the result (the queue cannot be empty to successfully perform it.)

Follow the hints:

* use a list as your storage (just like we did with the stack)
* put() should append elements to the beginning of the list, while get() should remove the elements from the end of the list;
* define a new exception named QueueError (choose an exception to derive it from) and raise it when get() tries to operate on an empty list.

Complete the code we've provided in the editor. Run it to check whether its output is similar to ours.

## Expected output

1   
dog   
False   
Queue error