

LAB 09

SUBMISSION INSTRUCTIONS

Submit 1 file.

- Queue.java

QUESTION

1. Based off the Javadoc comments, fill out the missing code in the **Queue** class.
2. You can use the code in the **QueueClient** class to test that your code works as expected.

LAB HINTS

1. If you wanted to store more than one object of type **E**; you should be able to use the code below:

```
E[] genericArray = new E[20];
```

But if you try that, Java will give you the following compilation error: **Cannot create a generic array of E**. To get around this, you can create an Object array and cast it, like this:

```
E[] genericArray = (E[])new Object[20];
```

You should then be able to use the generic array just as you would expect. For a more detailed explanation on why this occurs, refer to the links below.

- [Link 1](#)
- [Link 2](#)
- [Link 3](#)

2. There are some built in methods in the Arrays class that can simplify the processing of arrays (see example in **ArrayHelp.java** file).