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COMP3021: Java Programming In-class Exercise

The following is a non-generic implementation of the class Queue, which uses the non-generic version of the java.util.Vector, which is also a container type. Your task is to rewrite the Queue class using generics:

```
class Queue {
      Vector v = new Vector();
      public void enqueue(Object o) {
            v.add(o);
    }
      public Object dequeue() {
            if(v.size()==0) return null;
            Object o = v.get(v.size()-1);
            v.remove(o);
            return o;
      }
    public void intake(Queue temp) {
        Object o = temp.dequeue();
        while(o!=null){
              enqueue(o);
              o = temp.dequeue();
        }
    }
    public void toVector(Vector temp){
         for(Object o:v)
               temp.add(o);
    }
}
```