## Queue of Circles

Remember that you have already created a Circle class (it was B2 last unit). This program will make a Queue of your Circle objects.

Adapt the Queue class so that it holds a queue of circles. Rename the class QueueCircle.
Then, in the MainActivity, create a button that runs your queue class. It should:

- Enqueues 5 circles to the queue.
- Prints the size of the queue (with a sentence)
- Has a loop to dequeue each circle, printing it as it goes.

```
public class QueueCircle {
    private Object data[] = new Object [50];
    int count;
    int head;
    public QueueCircle () {
        count = 0;
        head = 0;
    }
    public void enqueue (Object value) {
    int tail = (head + count) % data.length;
    data [tail] = value;
    count++;
    }
    public Object dequeue () {
    Object temp = data [head];
    count--;
    head = (head + 1) % data.length;
    return temp;
    }
    public Object peek () {
    return data [head];
    }
    public int size () {
    return count;
    }
    public boolean isEmpty () {
    return (count == 0);
    }
    public String toString () {
        //this is NOT an official Queue method
        //it is useful to see what is in your Queue
            int size = count;
            String hold = "";
            for (int i = 0 ; i < size ; i++) {
                Object temp = dequeue ();
                hold += temp + " ";
                enqueue (temp);
    }
        return hold;
    }
}
```

