

OBJECT ORIENTED PROGRAMMING LAB**Experiment No : 27****Aim**

Program to demonstrate the creation of queue object using the PriorityQueue class.

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```
import java.util.*;

class PriorityQueue1 {

    public static void main(String args[]){

        PriorityQueue<String> queue=new PriorityQueue<String>();

        queue.add("Amit");
        queue.add("Vijay");
        queue.add("Karan");
        queue.add("Jai");
        queue.add("Rahul");

        System.out.println("head:"+queue.element());
        System.out.println("head:"+queue.peek());
        System.out.println("iterating the queue elements:");
        Iterator itr=queue.iterator();
        while(itr.hasNext()){

            System.out.println(itr.next());

        }

        queue.remove();
        queue.poll();

        System.out.println("after removing two elements:");
        Iterator<String> itr2=queue.iterator();
        while(itr2.hasNext()){

            System.out.println(itr2.next());

        }

    }

}
```

```
        }  
    }  
}
```

Output Screenshot:

```
C:\Users\Student\Documents\java\co4>javac PriorityQueue1.java  
  
C:\Users\Student\Documents\java\co4>java PriorityQueue1  
head:Amit  
head:Amit  
iterating the queue elements:  
Amit  
Jai  
Karan  
Vijay  
Rahul  
after removing two elements:  
Karan  
Rahul  
Vijay
```