OBJECT ORIENTED PROGRAMMING LAB

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Batch: S2 RMCA B

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Experiment No:(co4)27

Aim

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

Procedure

```
import java.util.*;
class PriorityQueue1{
public static void main(String args[]){
PriorityQueue<String> queue=new PriorityQueue<String>();
queue.add("Amal");
queue.add("Libin");
queue.add("Karan");
queue.add("Jaick");
queue.add("Roy");
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

```
Microsoft Windows [Version 10.0.18362.1082]
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C:\Users\Student\Desktop\MM>javac PriorityQueue1.java

C:\Users\Student\Desktop\MM>java PriorityQueue1
head:Amal
head:Amal
iterating the queue elements:
Amal
Jaick
Karan
Libin
Roy
after removing two elements:
Karan
Libin
Roy
```