OBJECT ORIENTED PROGRAMMING LAB

Experiment No : 27

Aim

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

Name: Shefany Shanavas

Roll No: 37

Batch: MCA B

Date: 07-06-2022

Procedure

```
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

```
D:\java>javac PriorityQueue1.java

D:\java>java PriorityQueue1
head:Amit
head:Amit
iterating the queue elements:
Amit
Jai
Karan
Vijay
Rahul
after removing two elements:
Karan
Rahul
Vijay

D:\java>
```