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**Batch:R MCA-B**

**Date:31/05/22**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 23**

**Aim**

Program to demonstrate the creation of queue object using the Priority Queue class..

**PROCEDURE**

import java.util.Iterator;

import java.util.PriorityQueue;

import java.util.Scanner;

public class CO47

{

public static void main(String args[])

{

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

Scanner sc=new Scanner(System.in);

System.out.println("Enter Number Of elements ");

int n=sc.nextInt();

System.out.println("Enter the elements ");

for(int i =0;i<n;i++)

{

String st=sc.next();

queue.add(st);

}

System.out.println("head:"+queue.element());

System.out.println("head:"+queue.peek());

System.out.println("Iterating the queue elements\n ");

Iterator itr=queue.iterator();

while(itr.hasNext()){

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

}

queue.remove();

queue.poll();

System.out.println("After removing two elements \n");

Iterator<String> itr2=queue.iterator();

while(itr2.hasNext()){

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

}

}

}

**Output**

