OBJECT ORIENTED PROGRAMING LAB

Experiment No.: 29

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Roll No : 54

Batch : B

Date : 07-06-22

Aim

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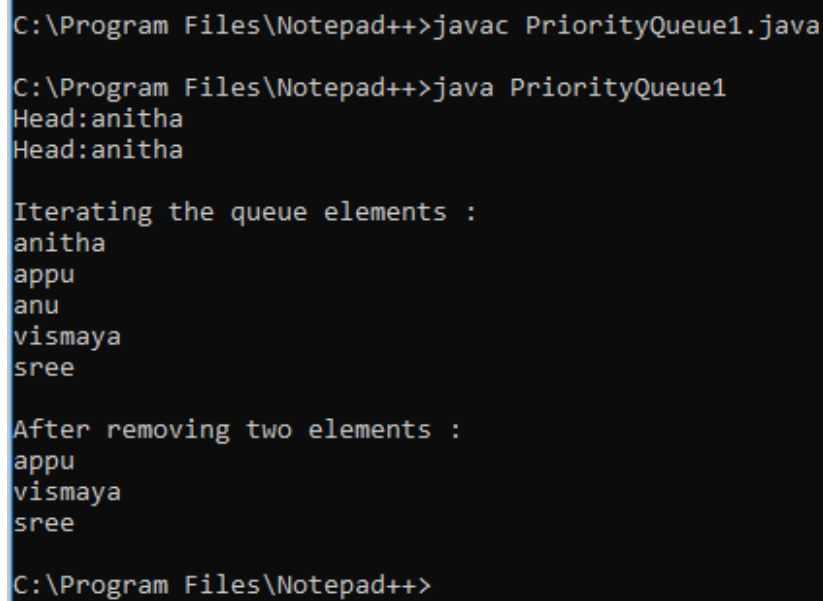
Source Code

import java.util.*;

class PriorityQueue1{

    public static void main(String args[]){

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

        queue.add("vismaya ");

        queue.add("anu");

        queue.add("anitha");

        queue.add("appu");

        queue.add("sree");

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

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

        System.out.println("\nIterating the queue elements : ");

        Iterator itr=queue.iterator();

        while(itr.hasNext()){

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

        }

        queue.remove();

        queue.poll();

        System.out.println("\nAfter removing two elements : ");

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

            while(itr2.hasNext()){

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

            }

        }

}
```

Output Screenshot

```
C:\Program Files\Notepad++>javac PriorityQueue1.java

C:\Program Files\Notepad++>java PriorityQueue1
Head:anitha
Head:anitha

Iterating the queue elements :
anitha
appu
anu
vismaya
sree

After removing two elements :
appu
vismaya
sree

C:\Program Files\Notepad++>
```