

OBJECT ORIENTED PROGRAMING LAB**Experiment No.: 29****Name : Swetha Prakash****Roll No : 46****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("Swetha ");
        queue.add("Susan");
        queue.add("Upas");
        queue.add("Stebin");
        queue.add("Vijay ");

        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());

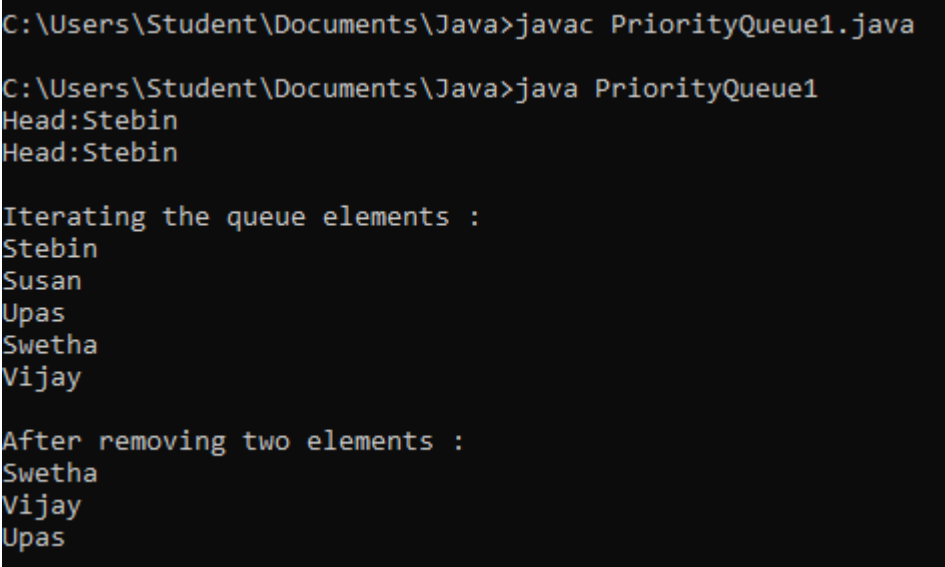
        }

        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:\Users\Student\Documents\Java>javac PriorityQueue1.java
C:\Users\Student\Documents\Java>java PriorityQueue1
Head:Stebin
Head:Stebin

Iterating the queue elements :
Stebin
Susan
Upas
Swetha
Vijay

After removing two elements :
Swetha
Vijay
Upas
```