

**OBJECT ORIENTED PROGRAMMING LAB****Experiment No: CO4-07****Name: Manya Madhu****Roll No: 17****Batch: S2 RMCA B****Date: 07-06-2022****Aim**

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

**Procedure:**

```
import java.util.*;

class PriorityQueue1 {

public static void main(String args[]){

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

    queue.add("Amrutha");

    queue.add("Badri");

    queue.add("Catherine");

    queue.add("Daya");

    queue.add("Elina");

    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();

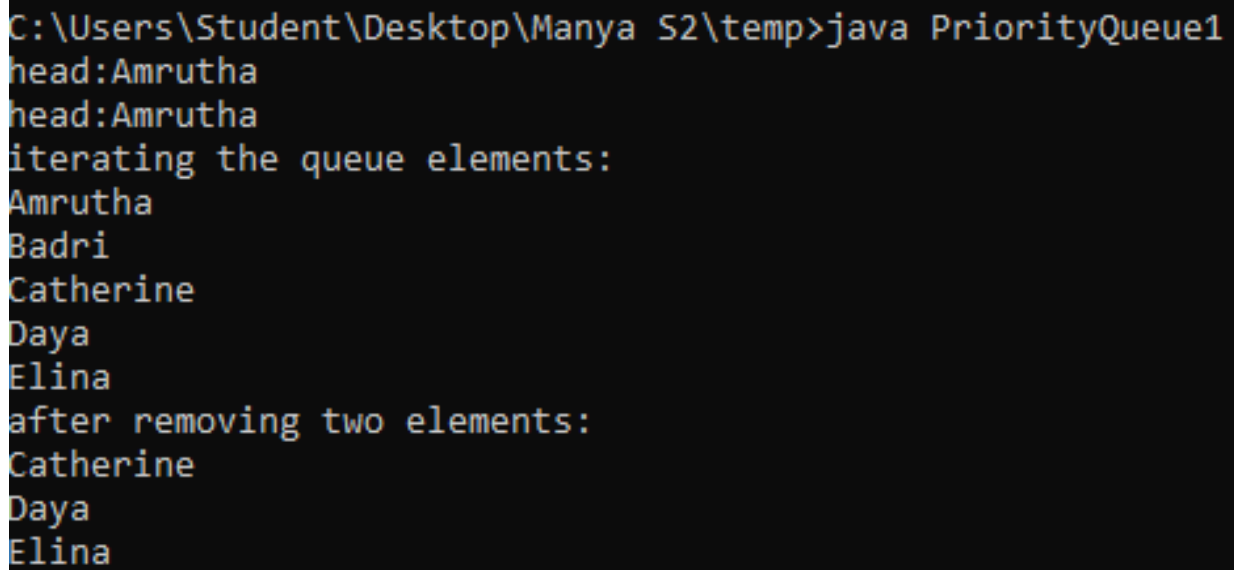
    queue.poll();

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

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

    while(itr2.hasNext()){
```

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

**Output:**

```
C:\Users\Student\Desktop\Manya S2\temp>java PriorityQueue1  
head:Amrutha  
head:Amrutha  
iterating the queue elements:  
Amrutha  
Badri  
Catherine  
Daya  
Elina  
after removing two elements:  
Catherine  
Daya  
Elina
```