OBJECT ORIENTED PROGRAMMING LAB

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Batch: B

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Experiment No.: 23

Aim

Program to demonstrate the addition and deletion of elements in dequeue.
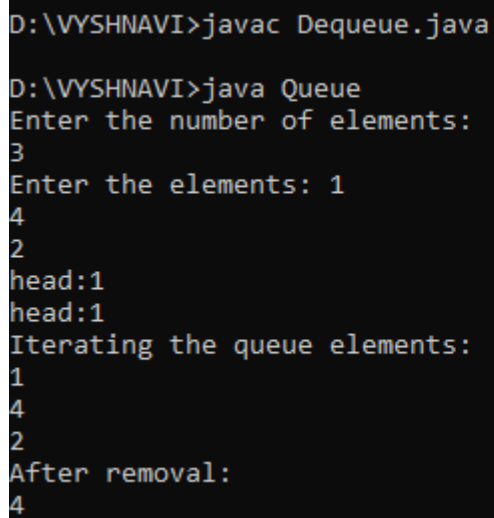
Program

```java
import java.util.*;
public class Dequeue
{
    public static void main(String[] args)
    {
        Deque<Integer> deque = new ArrayDeque<Integer>();
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter number of elements: ");
        int num=sc.nextInt();
        System.out.print("Enter the elements: ");
        for(int i=1;i<=num;i++)
        {
            int n=sc.nextInt();
            deque.add(n);
        }
        System.out.println("Elements are: "+deque);
        for(int i =0;i<num;i++)
        {
            deque.pop();
```

```
        }
        System.out.println("\nAfter removal: "+deque);

    }
}
```

Output Screenshot

```
D:\VYSHNAVI>javac Dequeue.java

D:\VYSHNAVI>java Queue
Enter the number of elements:
3
Enter the elements: 1
4
2
head:1
head:1
Iterating the queue elements:
1
4
2
After removal:
4
```