OBJECT ORIENTED PROGRAMING LAB

Experiment No.: 29

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Aim

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

Source Code

```java
import java.util.*;

class deque

{

 public static void main(String[] args)

    {

            Deque<String> deque = new

LinkedList<String>();

            deque.add("Java");

            deque.addFirst("Data management

system");

            deque.addLast("Datastructure");

            deque.push("Object Oriented

Programing");

            deque.offer("Networking");

            deque.offerFirst("Computernetworks");
```

System.out.println(deque + "\n");
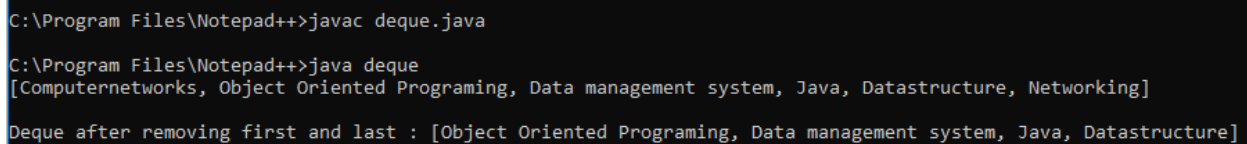
deque.removeFirst();

deque.removeLast();

System.out.println("Deque after removing "

+ "first and last : " + deque);

}}

Output Screenshot

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

C:\Program Files\Notepad++>java deque
[Computernetworks, Object Oriented Programing, Data management system, Java, Datastructure, Networking]

Deque after removing first and last : [Object Oriented Programing, Data management system, Java, Datastructure]
```