

```
C:\Users\sagar>cd desktop
```

```
C:\Users\sagar\Desktop>cd CN
```

```
C:\Users\sagar\Desktop\CN>g++ graph1.cpp
```

```
C:\Users\sagar\Desktop\CN>a.exe
```

```
Enter the number of nodes
```

```
8
```

```
Enter the node's value
```

```
5 11 10 2 7 8 9 3
```

```
Enter the numbers of edges
```

```
9
```

```
Enter the edge connectivity
```

```
0 1
```

```
Enter the edge connectivity
```

```
1 2
```

```
Enter the edge connectivity
```

```
1 3
```

```
Enter the edge connectivity
```

```
1 6
```

```
Enter the edge connectivity
```

```
4 1
```

```
Enter the edge connectivity
```

```
4 5
```

```
Enter the edge connectivity
```

```
5 6
```

```
Enter the edge connectivity
```

```
7 2
```

```
Enter the edge connectivity
```

```
7 5
```

```
The Matrix representation of graph is:
```

```
5 11 10 2 7 8 9 3
```

```
5 1 0 0 1 0 0 0 1
```

```
11 0 0 0 0 0 0 0 0
```

```
10 0 0 0 0 0 0 0 0
```

```
2 0 0 0 0 0 0 0 0
```

```
7 1 0 0 1 0 0 0 0
```

```
8 0 0 0 0 0 0 0 0
```

```
9 0 0 0 0 0 0 0 0
```

```
3 0 0 0 0 0 0 0 0
```

```
CHECKING OF CONNECTIVITY:
```

```
enter the values to check the connectivity
```

```
5 3
```

```
CONNECTIVITY EXIST
```

```
C:\Users\sagar\Desktop\CN>
```