CYCLIC

$$\begin{bmatrix} 0 & 0 & 1 & 0 \\ 1 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 \end{bmatrix}$$

NON CYCLIC
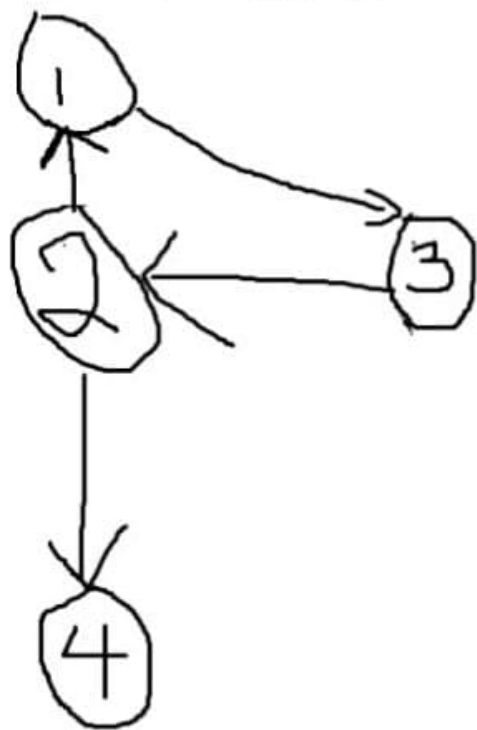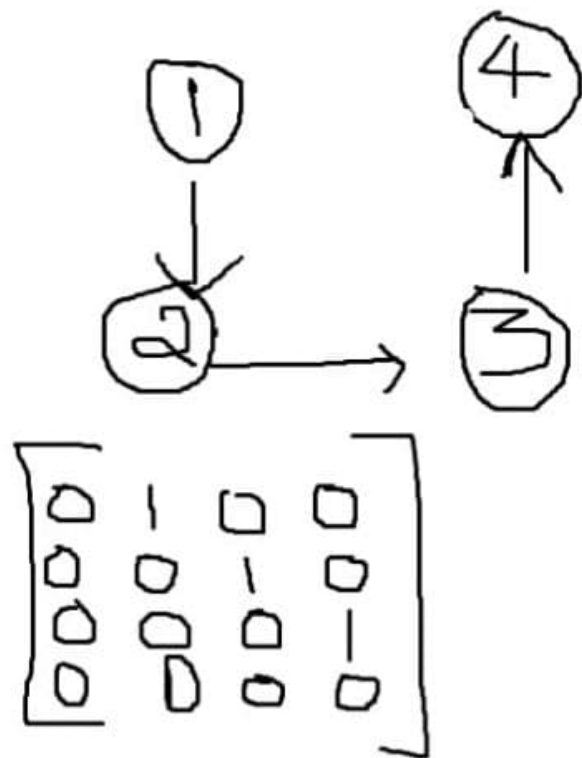

$$\begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 1 \\ 0 & 0 & 0 & 0 \end{bmatrix}$$

```
Enter no of Vertices: 4

Enter the Adjacency Matrix(1/0):
0 0 1 0
1 0 0 1
0 1 0 0
0 0 0 0

The Depth First Search Traversal:
a,1      c,2      b,3      d,4

Graph is a Connected, Cyclic Graph!


...Program finished with exit code 0
Press ENTER to exit console.
```

```
Enter no of Vertices: 4

Enter the Adjacency Matrix(1/0):
0 1 0 0
0 0 1 0
0 0 0 1
0 0 0 0

The Depth First Search Traversal:
a,1      b,2      c,3      d,4

It is a Connected, Acyclic Graph!


...Program finished with exit code 0
Press ENTER to exit console.
```