Elaborate uninformed search algorithm for any suitable real time application.

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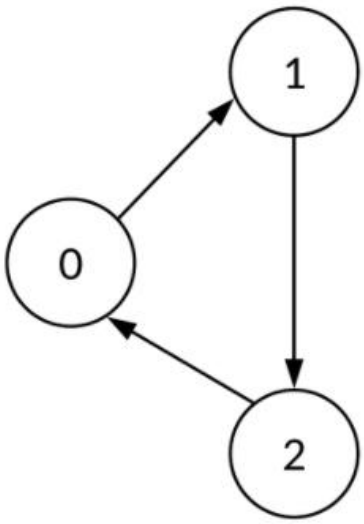
Code:

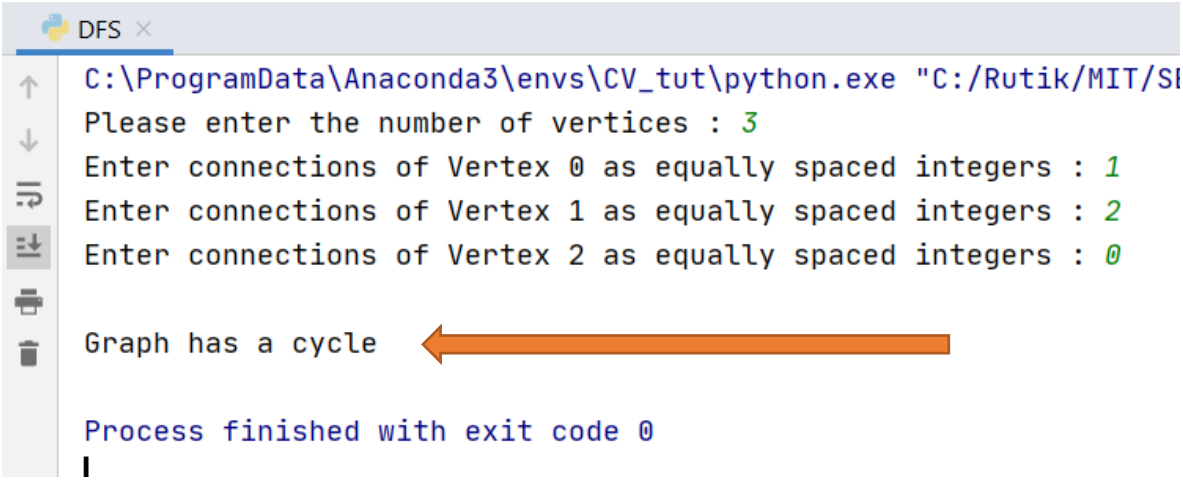
https://github.com/rppol/AI-Assignments/blob/master/Uninformed%20Search/DFS.py

Application: DFS to detect cycle in a directed graph

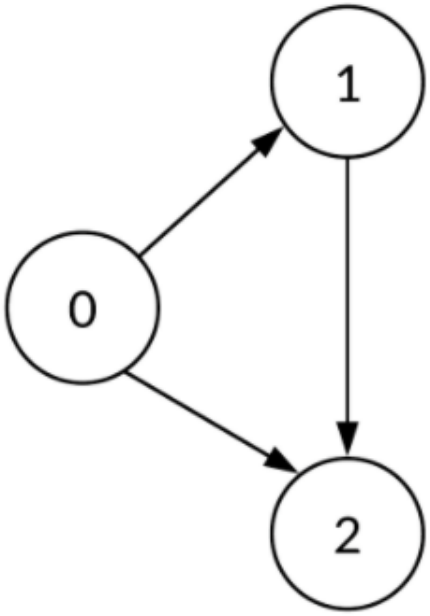
Output:

For Graph 1, (Cyclic)





For Graph 2, (Acyclic)



DFS

```
C:\ProgramData\Anaconda3\envs\CV_tut\python.exe "C:/Rutik/MIT/SEM
Please enter the number of vertices : 3
Enter connections of Vertex 0 as equally spaced integers : 1 2
Enter connections of Vertex 1 as equally spaced integers : 2
Enter connections of Vertex 2 as equally spaced integers :

Graph has no cycle

Process finished with exit code 0
```