

MSc. Computer Science
Sem – III
AOS

Assignment 1

GROUP C:

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Link to the executable code

https://github.com/snigdhadip99/Msc_3rd-Sem_AOS/blob/main/Initiator.ipynb

Data Sets

Task 1.1

number of nodes: 6

number of edges: 9

edges between two nodes

0 2

0 1

1 2

2 0

2 3

3 3

3 5

1 5

1 4

Task 1.2

number of nodes: 6

number of edges: 9

Edges between two nodes

0 1

0 2

1 2

2 0

2 3

3 3

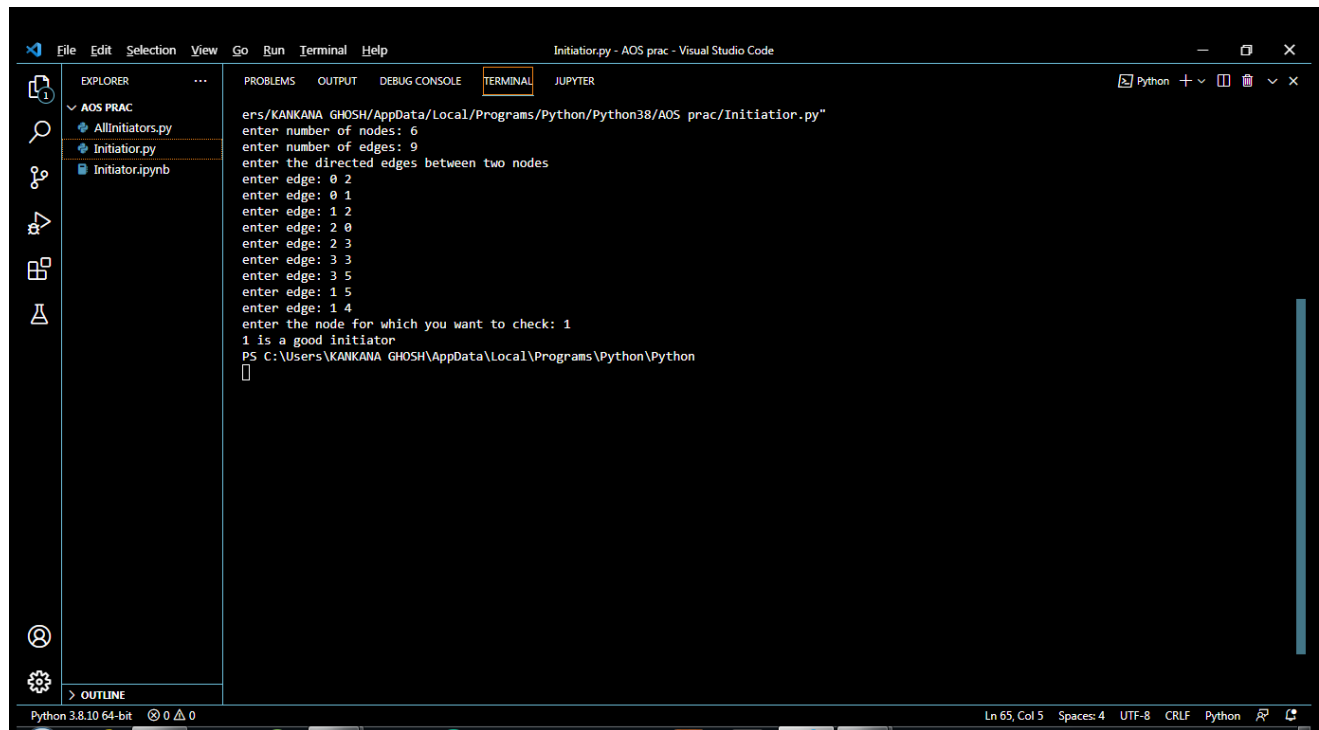
3 5

5 1

1 4

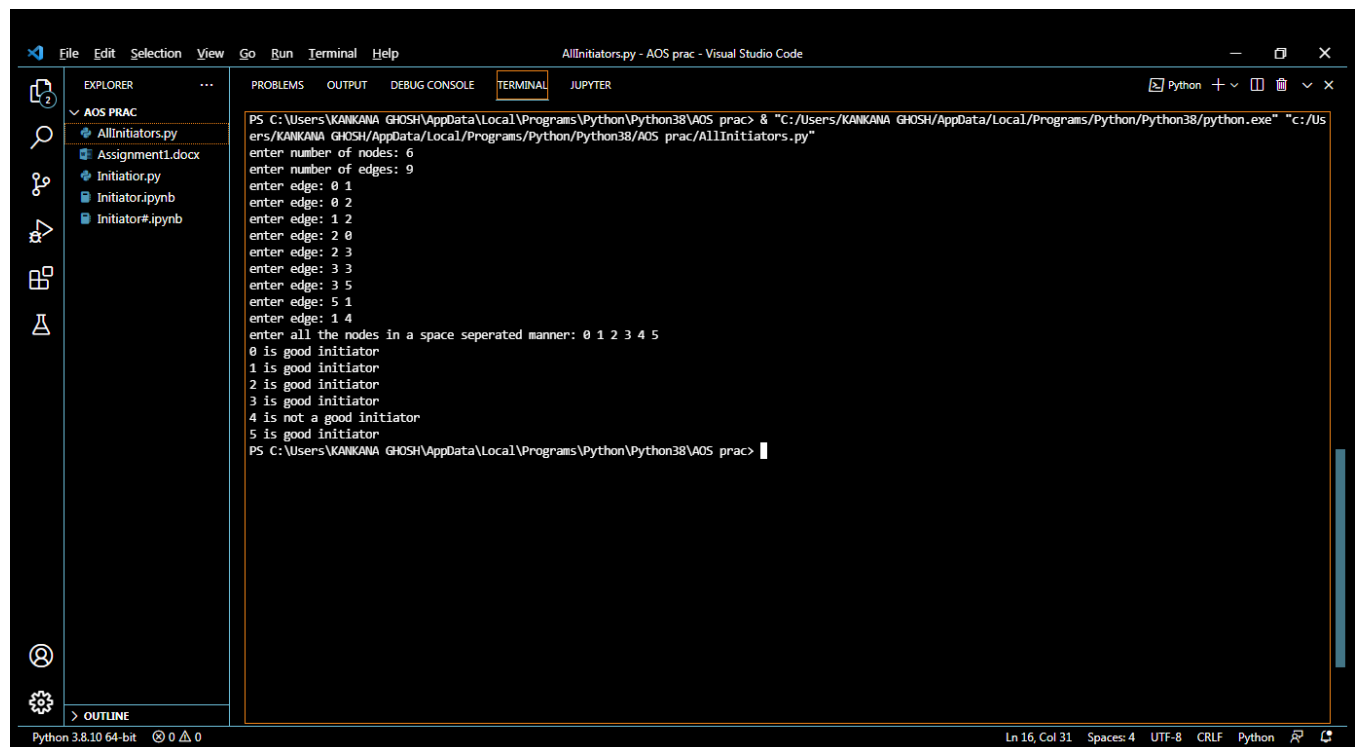
Screenshots

Task 1.1



```
ers/KANKANA GHOSH/AppData/Local/Programs/Python/Python38/AOS prac/Initiator.py"
enter number of nodes: 6
enter number of edges: 9
enter the directed edges between two nodes
enter edge: 0 2
enter edge: 0 1
enter edge: 1 2
enter edge: 2 0
enter edge: 2 3
enter edge: 3 3
enter edge: 3 5
enter edge: 1 5
enter edge: 1 4
enter the node for which you want to check: 1
1 is a good initiator
PS C:\Users\KANKANA GHOSH\AppData\Local\Programs\Python\Python
```

Task 1.2



```
PS C:\Users\KANKANA GHOSH\AppData\Local\Programs\Python\Python38\AOS prac> & "C:/Users/KANKANA GHOSH/AppData/Local/Programs/Python/Python38/python.exe" "c:/Users/KANKANA GHOSH/AppData/Local/Programs/Python/Python38/AOS prac/AllInitiators.py"
enter number of nodes: 6
enter number of edges: 9
enter edge: 0 1
enter edge: 0 2
enter edge: 1 2
enter edge: 2 0
enter edge: 2 3
enter edge: 3 3
enter edge: 3 5
enter edge: 5 1
enter edge: 1 4
enter all the nodes in a space separated manner: 0 1 2 3 4 5
0 is good initiator
1 is good initiator
2 is good initiator
3 is good initiator
4 is not a good initiator
5 is good initiator
PS C:\Users\KANKANA GHOSH\AppData\Local\Programs\Python\Python38\AOS prac>
```