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Roll No. S20230010193

Subject :- ADSA

Lab Assignment 9

Question 1

```
TS\Sem 3\ADSA\Assignment 9\" ; if ($?) { gcc S20230010193_A09.c -o S20230010193_A09 } ; if ($?) { .\S20230010193_A09 }
enter the question which has to be run: 1
Enter number of nodes: 5
Enter number of edges: 4
Enter edges in (n m) format: 1 2
1 3
2 4
3 5
Enter the starting node: 1
DFS Traversal: 1 2 4 3 5
Cycle Detection: No Cycle
PS C:\IIITS ASSIGNMENTS\Sem 3\ADSA\Assignment 9>
```

Question 2

```
PS C:\IIITS ASSIGNMENTS\Sem 3\ADSA\Assignment 9> cd "c:\IIITS ASSIGNMENTS\Sem 3\ADSA\Assignment 9\" ; if ($?) { gcc S20230010193_A09.c -o S20230010193_A09 } ; if ($?) { .\S202300
10193_A09 }
enter the question which has to be run: 2
Enter number of nodes: 5
Enter number of edges: 4
Enter edges in (n m) format: 1 2
1 3
2 4
3 5
Enter the starting node: 1
BFS Traversal: 1 2 3 4 5
PS C:\IIITS ASSIGNMENTS\Sem 3\ADSA\Assignment 9>
```