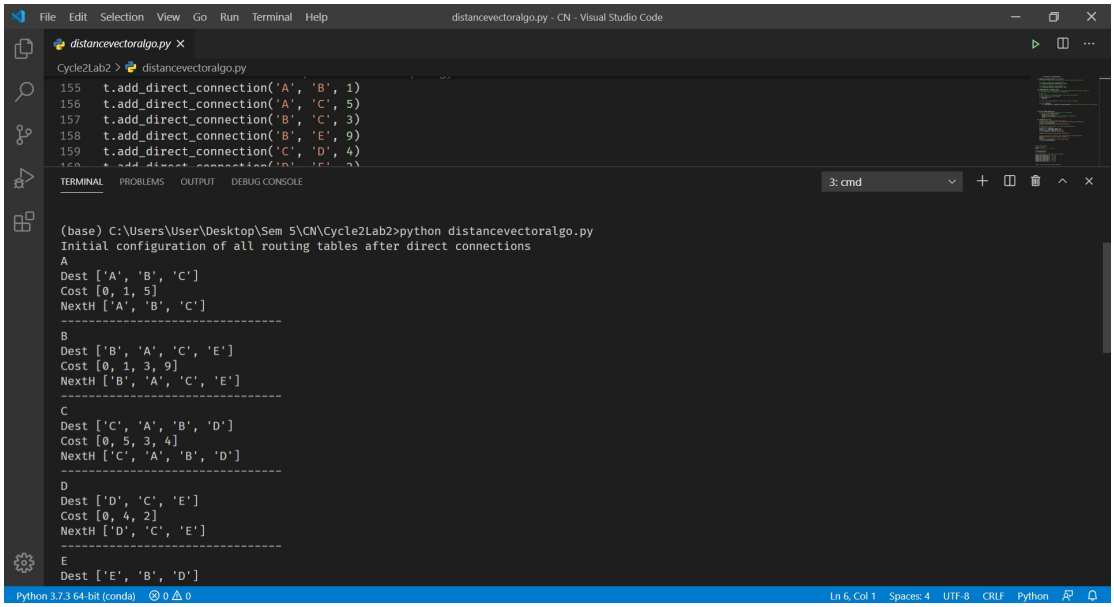
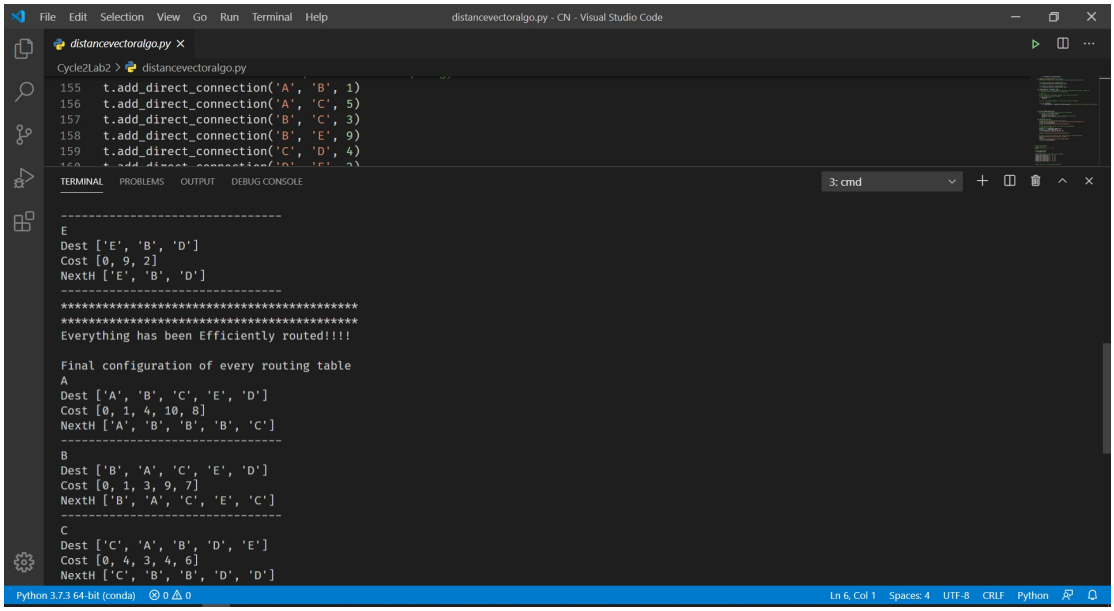
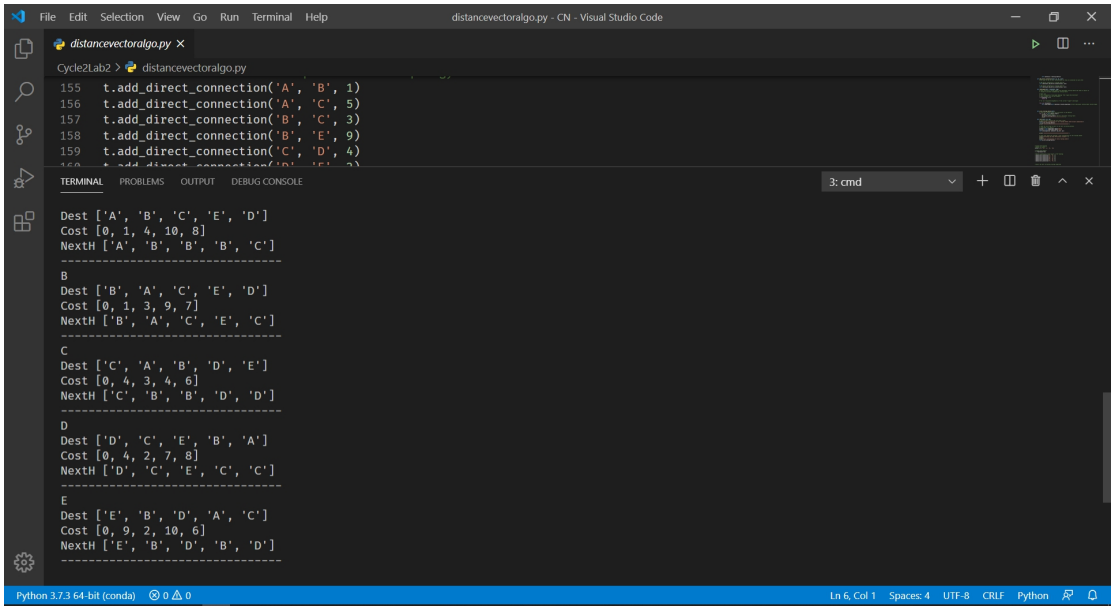
Output


File Edit Selection View Go Run Terminal Help
distancevectoralgo.py - CN - Visual Studio Code
distancevectoralgo.py
Cycle2Lab2 > distancevectoralgo.py
155 t.add_direct_connection('A', 'B', 1)
156 t.add_direct_connection('A', 'C', 5)
157 t.add_direct_connection('B', 'C', 3)
158 t.add_direct_connection('B', 'E', 9)
159 t.add_direct_connection('C', 'D', 4)
TERMINAL PROBLEMS OUTPUT DEBUG CONSOLE
3: cmd
(base) C:\Users\User\Desktop\Sem 5\CN\Cycle2Lab2>python distancevectoralgo.py
Initial configuration of all routing tables after direct connections
A
Dest ['A', 'B', 'C']
Cost [0, 1, 5]
NextH ['A', 'B', 'C']
B
Dest ['B', 'A', 'C', 'E']
Cost [0, 1, 3, 9]
NextH ['B', 'A', 'C', 'E']
C
Dest ['C', 'A', 'B', 'D']
Cost [0, 5, 3, 4]
NextH ['C', 'A', 'B', 'D']
D
Dest ['D', 'C', 'E']
Cost [0, 4, 2]
NextH ['D', 'C', 'E']
E
Dest ['E', 'B', 'D']
Python 3.7.3 64-bit (conda) 0 0
Ln 6, Col 1 Spaces: 4 UTF-8 CRLF Python


File Edit Selection View Go Run Terminal Help
distancevectoralgo.py - CN - Visual Studio Code
distancevectoralgo.py
Cycle2Lab2 > distancevectoralgo.py
155 t.add_direct_connection('A', 'B', 1)
156 t.add_direct_connection('A', 'C', 5)
157 t.add_direct_connection('B', 'C', 3)
158 t.add_direct_connection('B', 'E', 9)
159 t.add_direct_connection('C', 'D', 4)
TERMINAL PROBLEMS OUTPUT DEBUG CONSOLE
3: cmd
E
Dest ['E', 'B', 'D']
Cost [0, 9, 2]
NextH ['E', 'B', 'D']
****
****
Everything has been Efficiently routed!!!!
Final configuration of every routing table
A
Dest ['A', 'B', 'C', 'E', 'D']
Cost [0, 1, 4, 10, 8]
NextH ['A', 'B', 'B', 'B', 'C']
B
Dest ['B', 'A', 'C', 'E', 'D']
Cost [0, 1, 3, 9, 7]
NextH ['B', 'A', 'C', 'E', 'C']
C
Dest ['C', 'A', 'B', 'D', 'E']
Cost [0, 4, 3, 4, 6]
NextH ['C', 'B', 'B', 'D', 'D']
Python 3.7.3 64-bit (conda) 0 0
Ln 6, Col 1 Spaces: 4 UTF-8 CRLF Python


File Edit Selection View Go Run Terminal Help
distancevectoralgo.py - CN - Visual Studio Code
distancevectoralgo.py
Cycle2Lab2 > distancevectoralgo.py
155 t.add_direct_connection('A', 'B', 1)
156 t.add_direct_connection('A', 'C', 5)
157 t.add_direct_connection('B', 'C', 3)
158 t.add_direct_connection('B', 'E', 9)
159 t.add_direct_connection('C', 'D', 4)
TERMINAL PROBLEMS OUTPUT DEBUG CONSOLE
3: cmd
Dest ['A', 'B', 'C', 'E', 'D']
Cost [0, 1, 4, 10, 8]
NextH ['A', 'B', 'B', 'B', 'C']
B
Dest ['B', 'A', 'C', 'E', 'D']
Cost [0, 1, 3, 9, 7]
NextH ['B', 'A', 'C', 'E', 'C']
C
Dest ['C', 'A', 'B', 'D', 'E']
Cost [0, 4, 3, 4, 6]
NextH ['C', 'B', 'B', 'D', 'D']
D
Dest ['D', 'C', 'E', 'B', 'A']
Cost [0, 4, 2, 7, 8]
NextH ['D', 'C', 'E', 'C', 'C']
E
Dest ['E', 'B', 'D', 'A', 'C']
Cost [0, 9, 2, 10, 6]
NextH ['E', 'B', 'D', 'B', 'D']
Python 3.7.3 64-bit (conda) 0 0
Ln 6, Col 1 Spaces: 4 UTF-8 CRLF Python