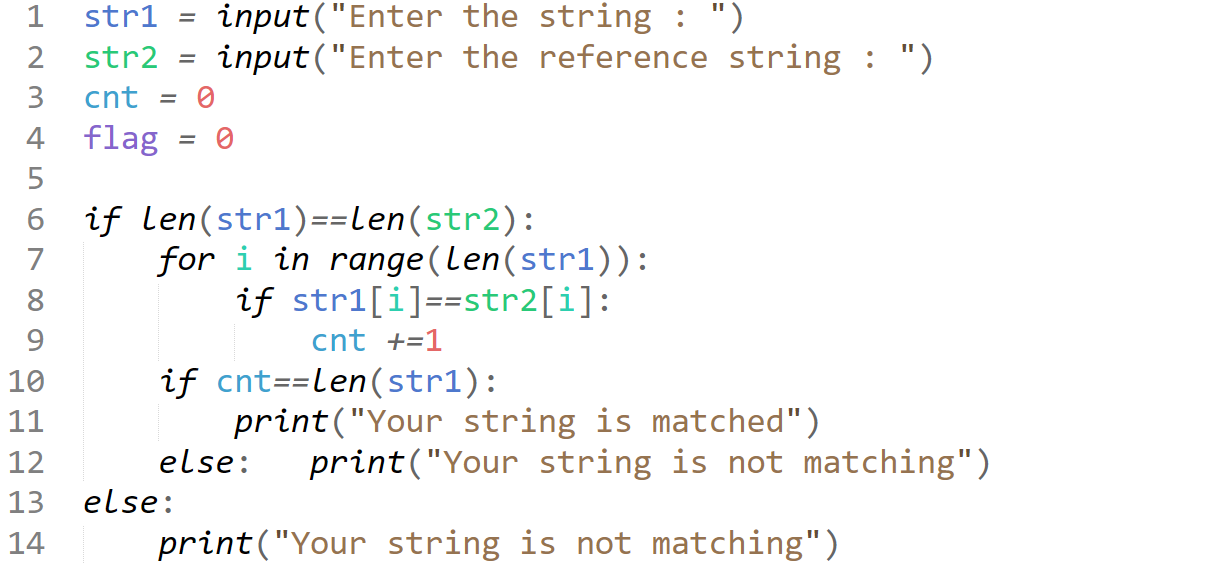
**Advanced Algorithms Prashanth.S (19MID0020)**

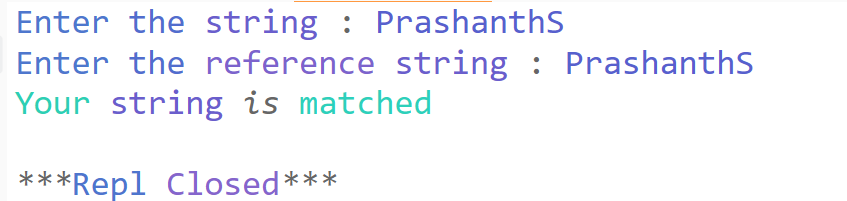
**1. Write a program to find whether a given string is present in the array of strings using**

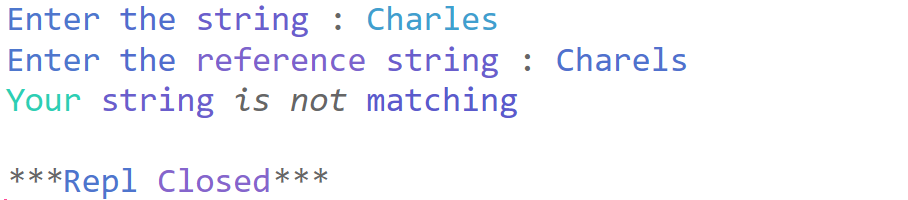
**a. Linear Search Algorithm**

Code



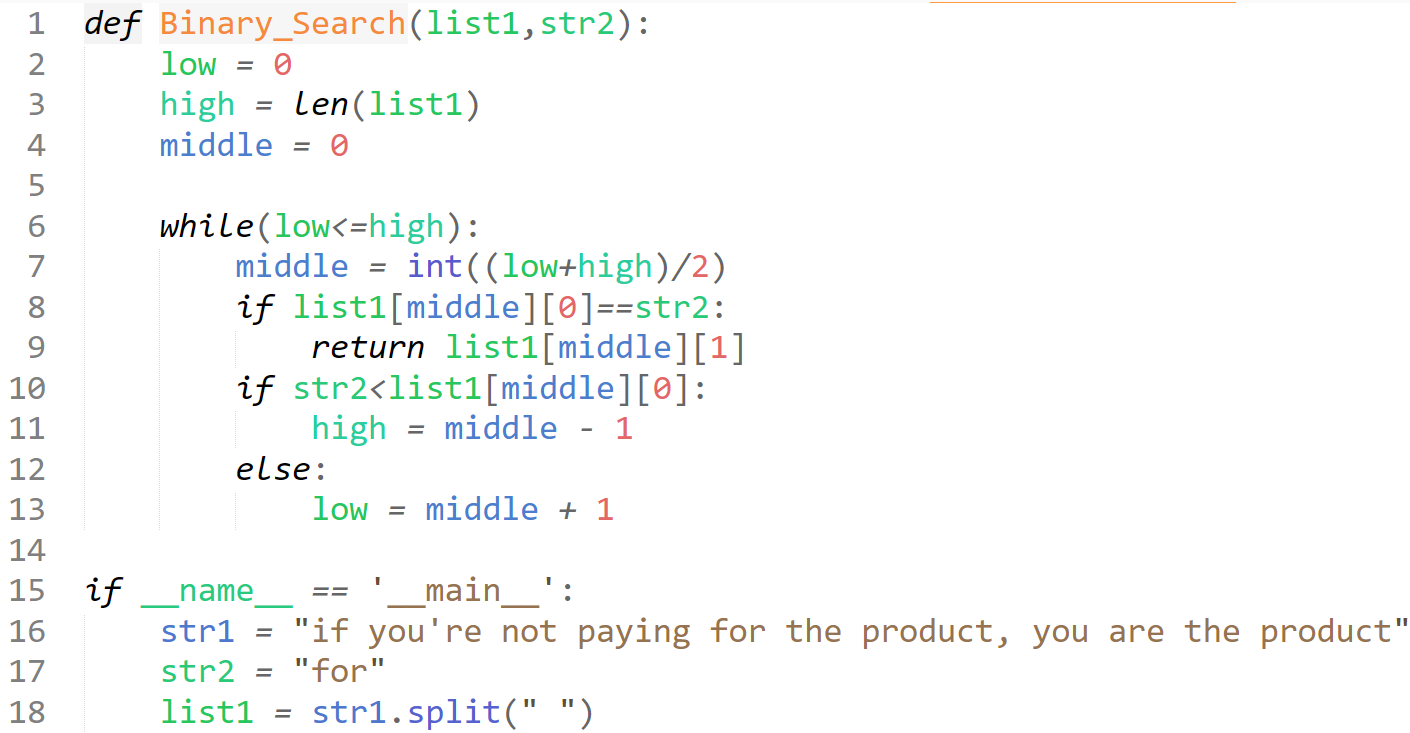
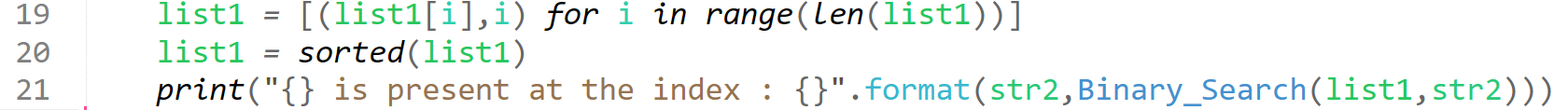
Output Case-1



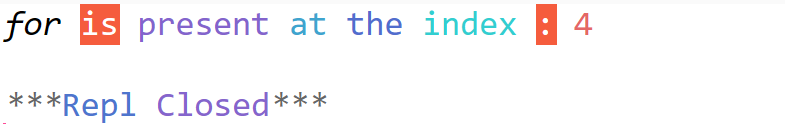
Output Case-2  


**b. Binary Search Algorithm**

**Code**

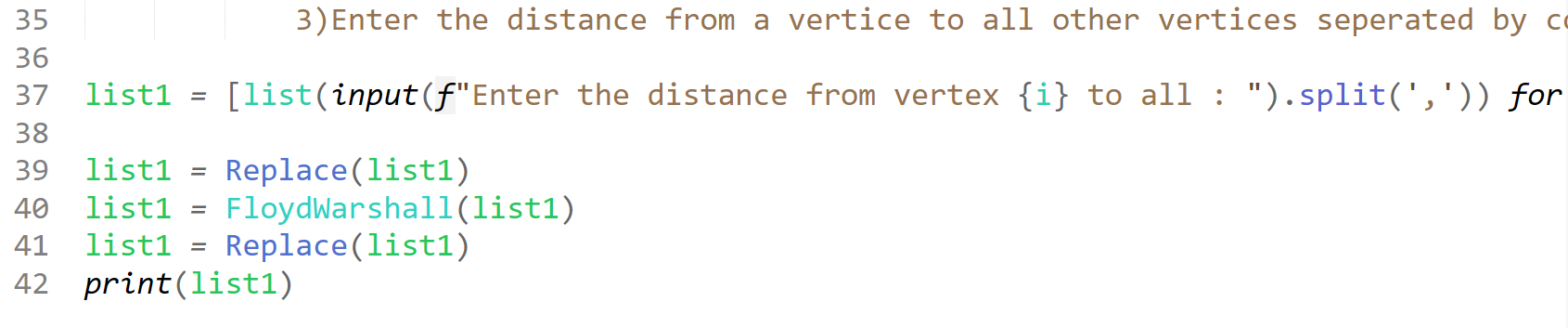
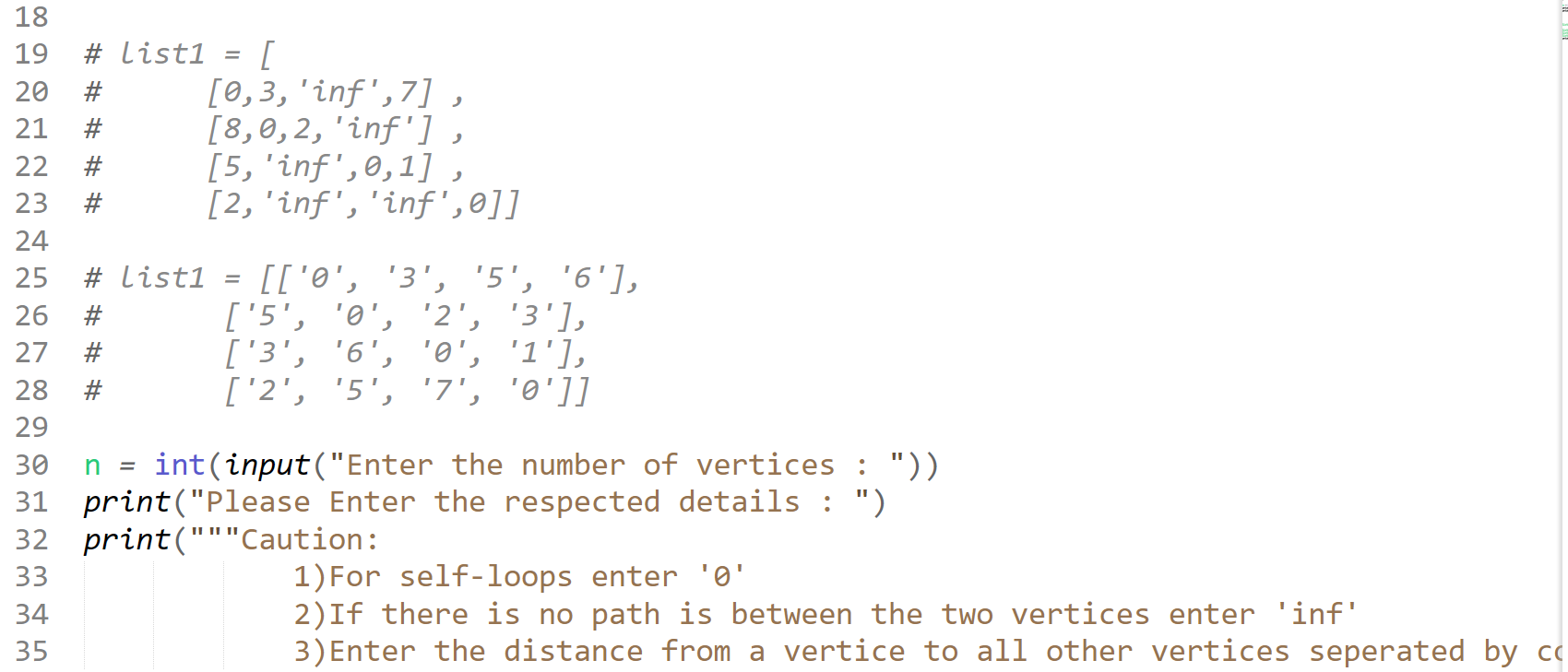
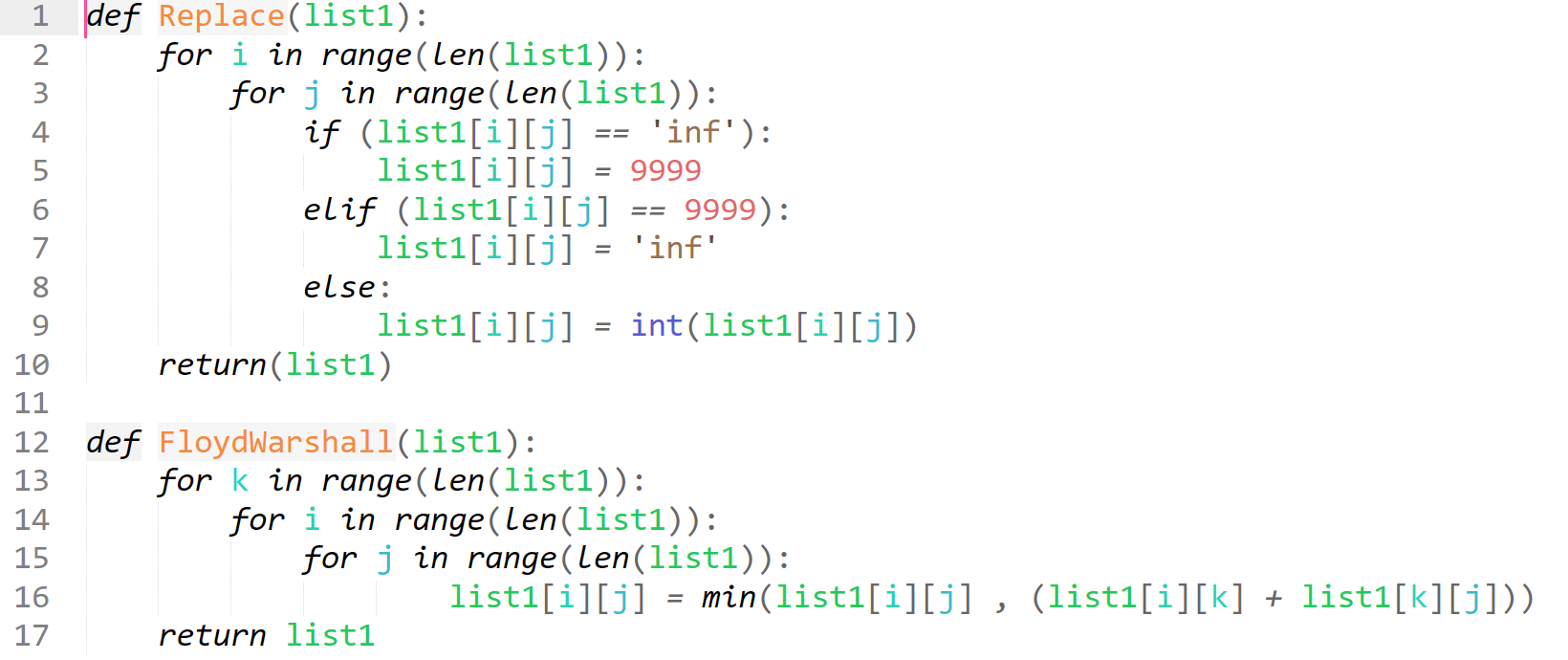
  


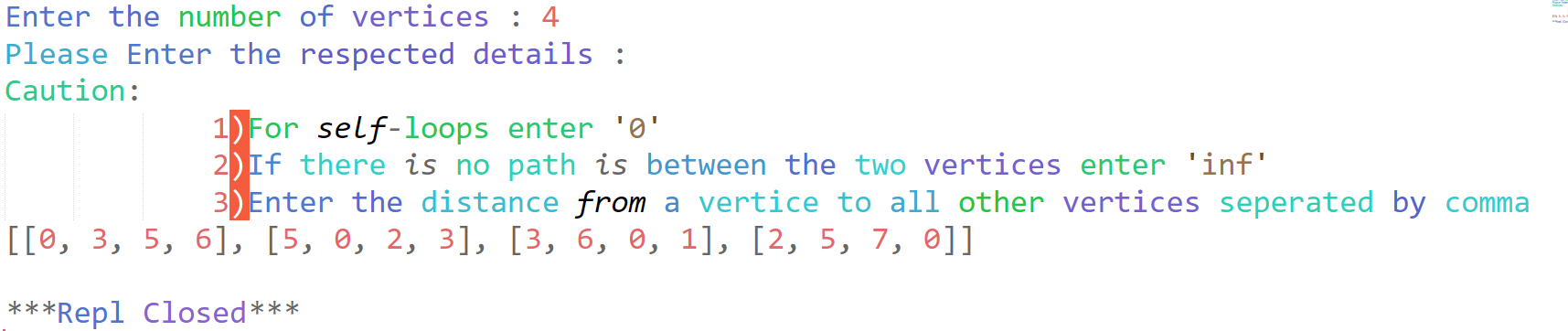
**Output:**



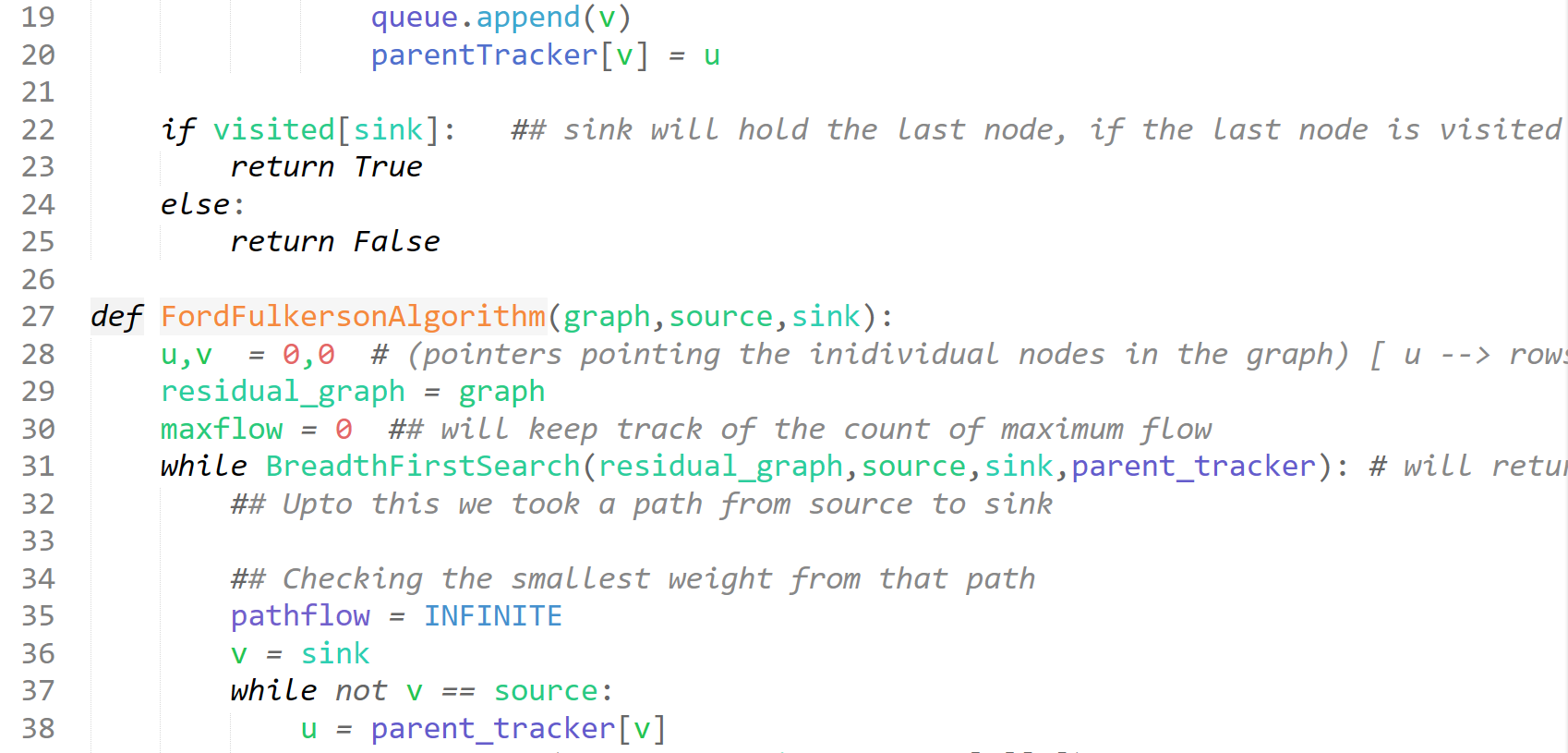
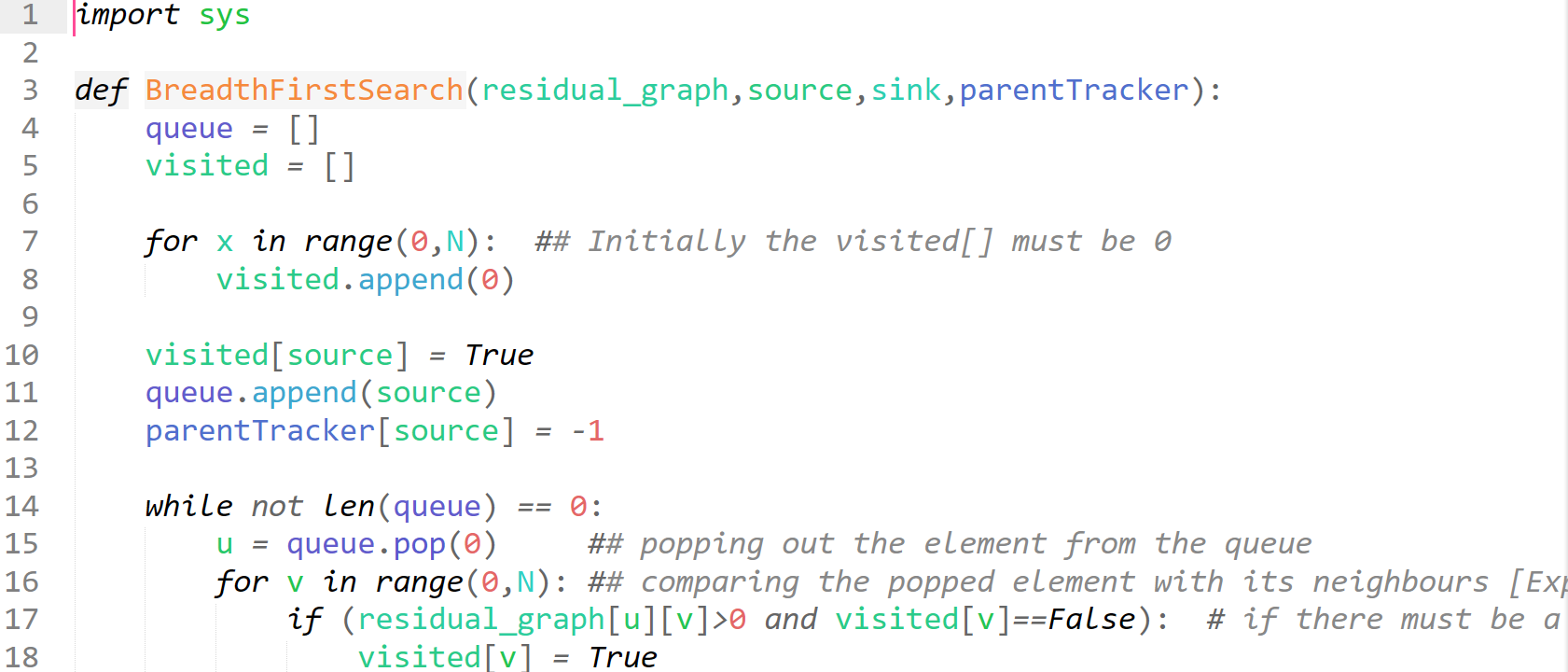
**2. Write a program to find the shortest path in a graph using Floyd-Warshall algorithm.**

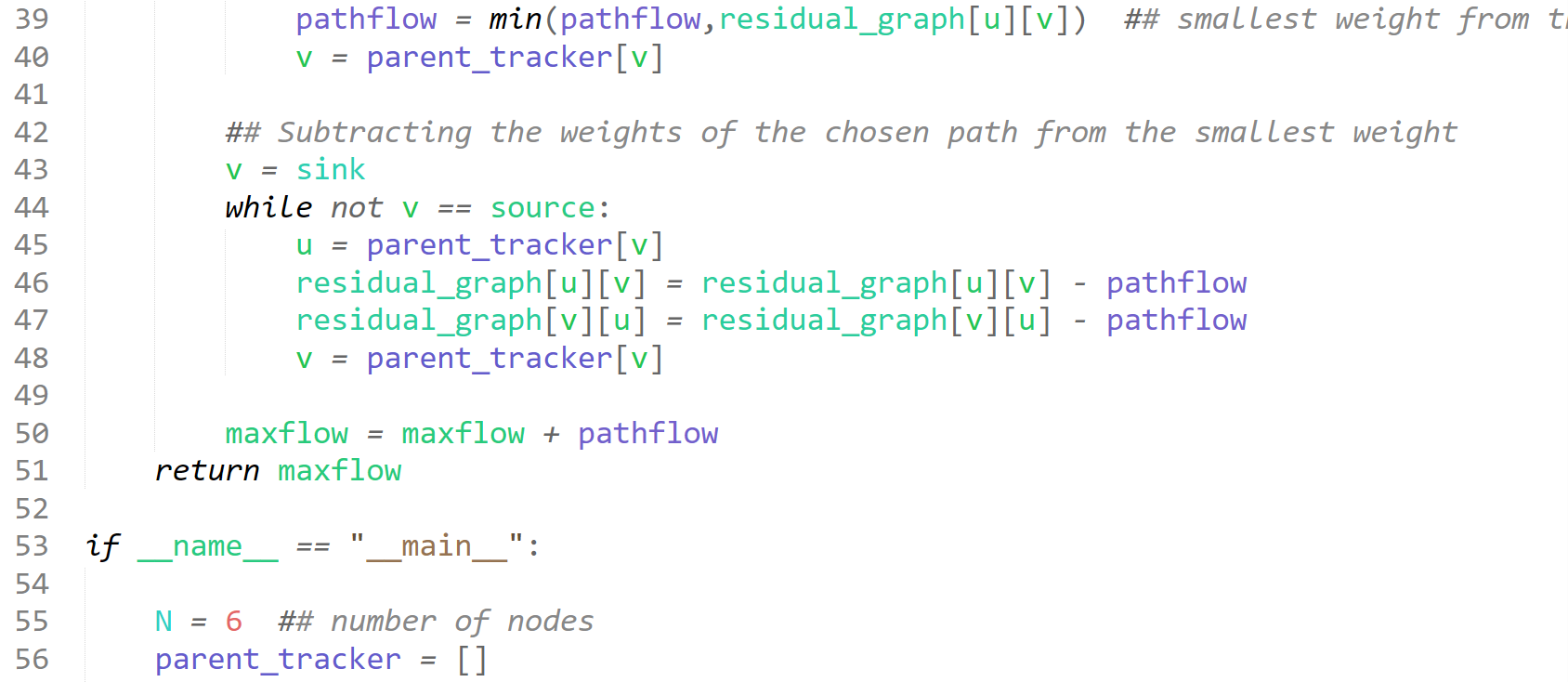
**Code:**

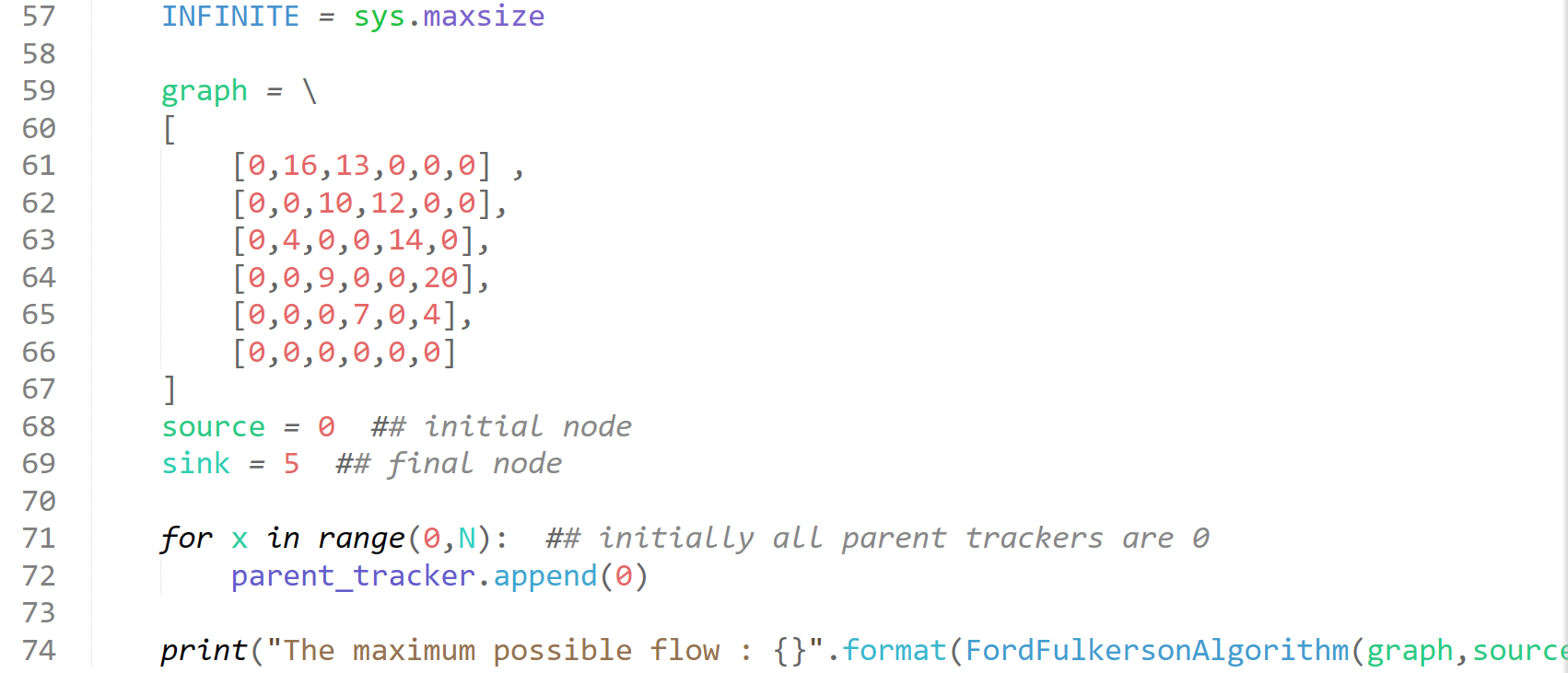
**Output:**



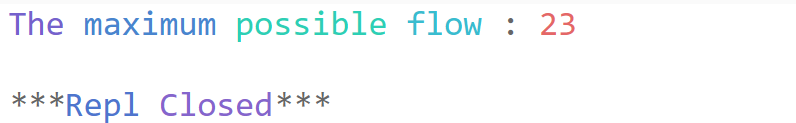
**3. Write a program to implement the Ford-Fulkerson Method.   
Code**







**Output:**

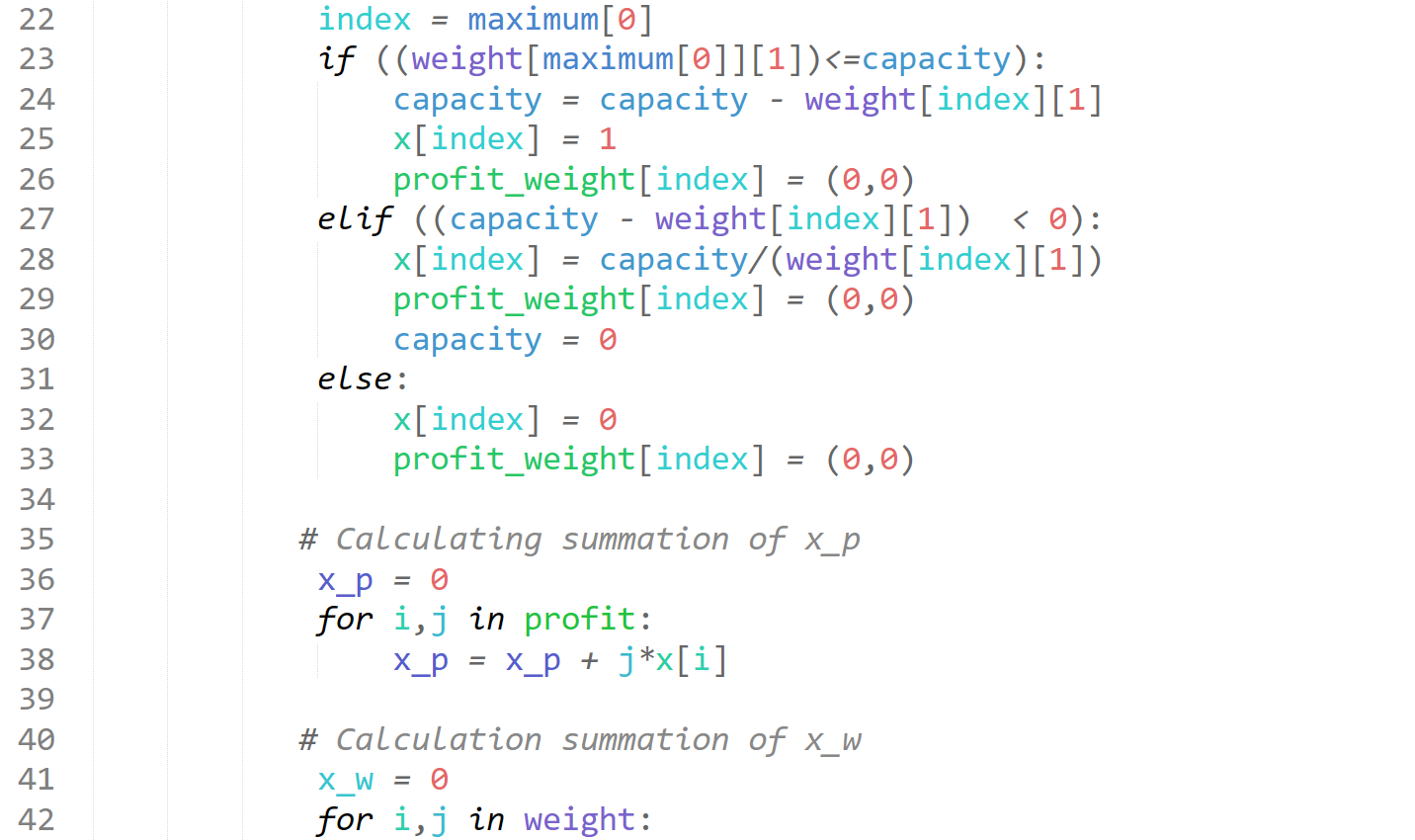


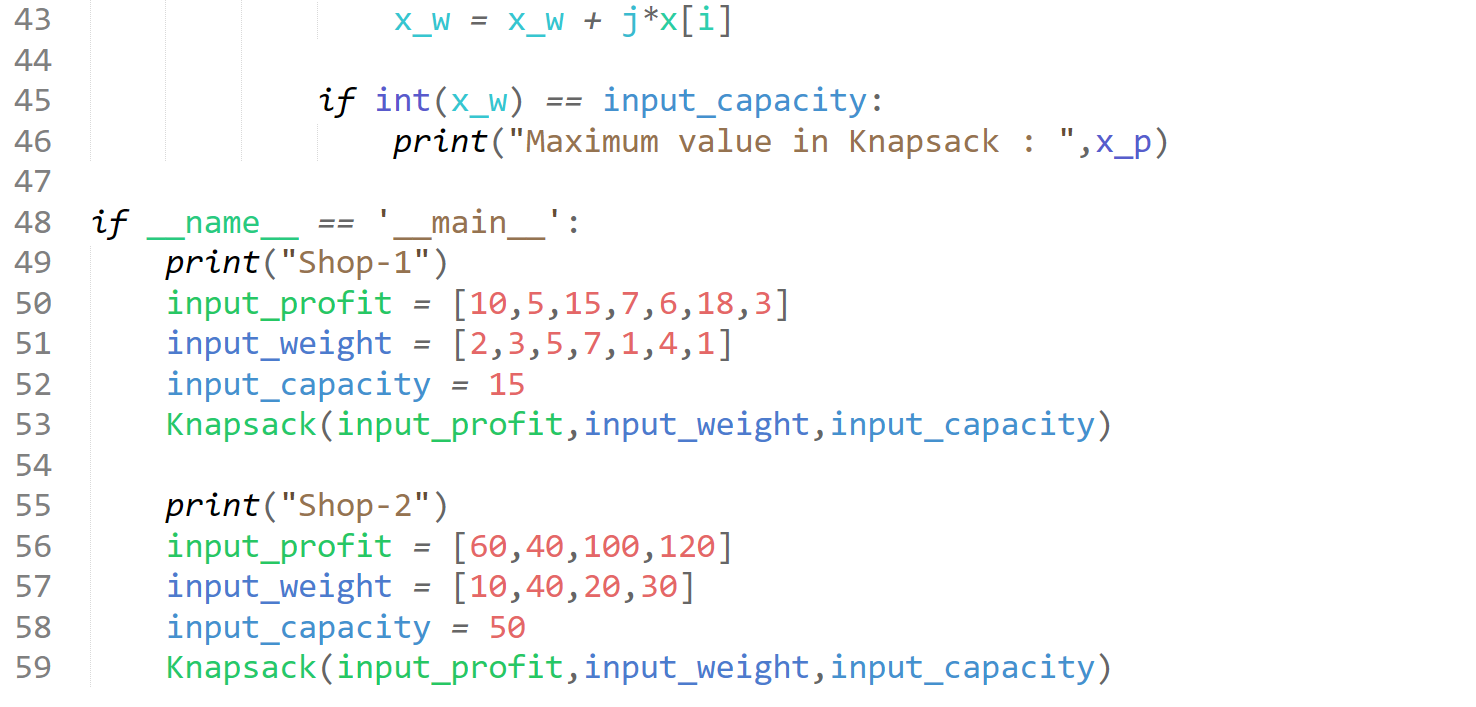
**4. Write programs to implement the following algorithms:**

**a. Fractional Knapsack Problem**

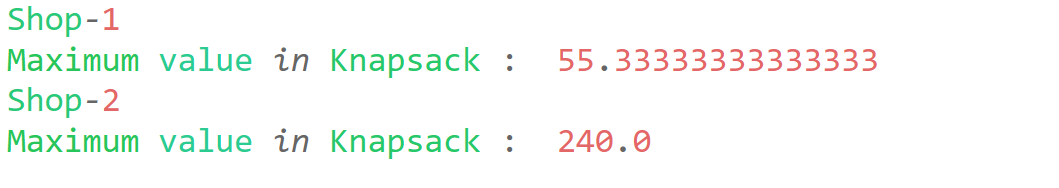
**Code**





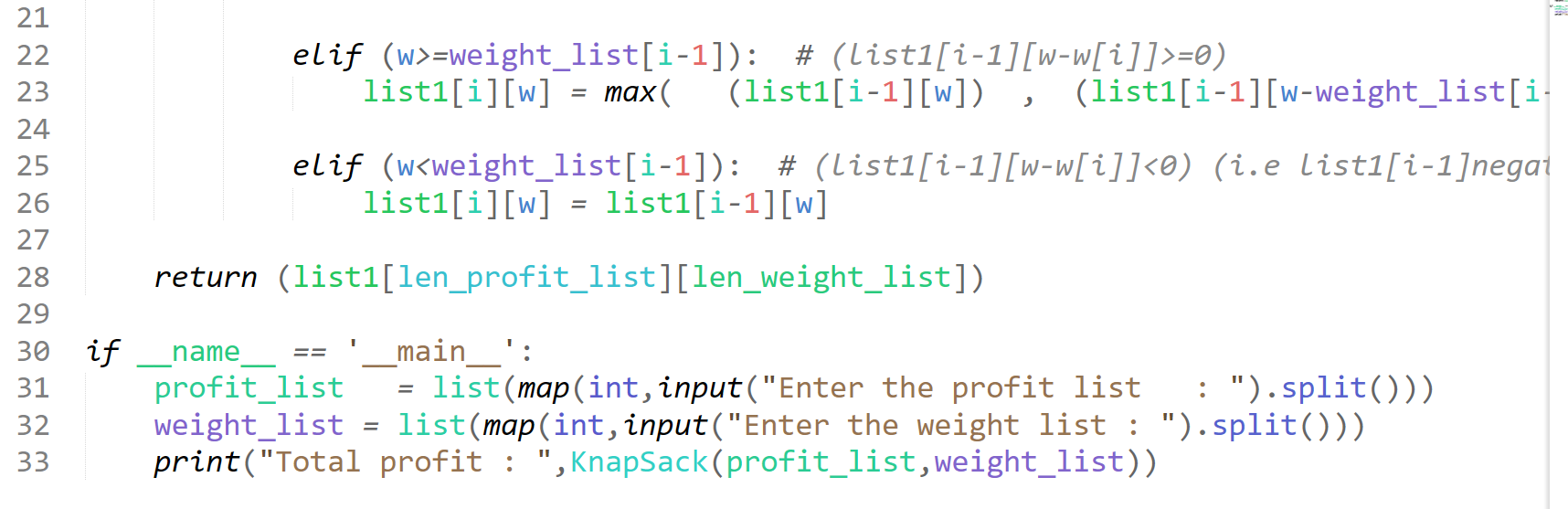


**Result**



**b. 0/1 Knapsack Problem**





**Result**

