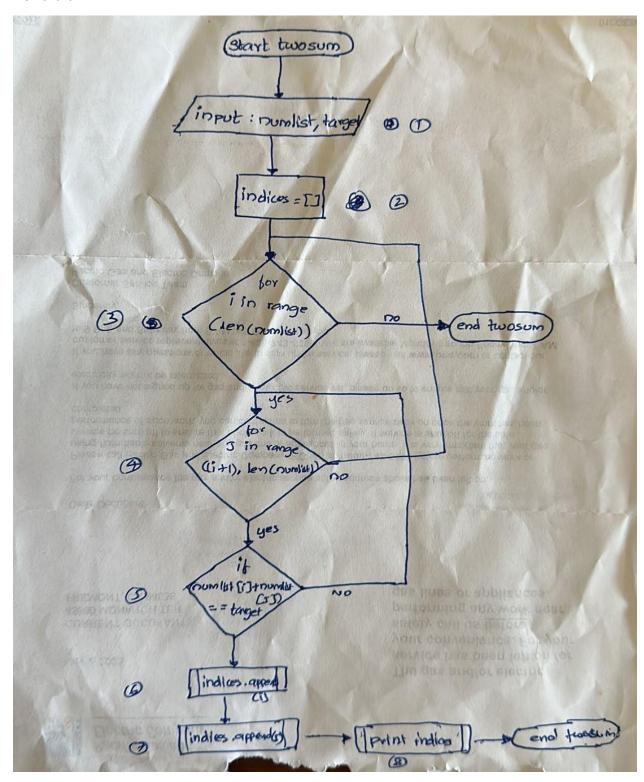
Algorithms and structures programming

Flowchart:-



Trace table-:

step	numlist	target	indices	i	j	numlist[i]+numlist[j]=target	screen
1	[2,7,11,15]	9					
2			[]				
3				0			
4					1		
5						True	
6			[0]				
7			[0,1]				
8							[0,1]

Testing:-

```
File Edit Selection View Go Run Terminal Help
                                                                  hw1dummy.py - ALGORITHMS - Visual Studio Code
      Welcome
                      hw1q1.py
                                       hw1dummy.py X
       hw1dummy.py > ...
              def twosum(numlist: list, target: int):
         2
                  indices = []
         3
                  for i in range(len(numlist)):
وع
                      for j in range(i+1, len(numlist)):
         4
         5
                          if numlist[i] + numlist[j] == target:
         6
                              indices.append(i)
         7
                              indices.append(j)
         8
                              print(indices)
         9
              twosum([2,7,11,15],9)
        10
              twosum([3,2,4],6)
              twosum([3,3],6)
        11
12
        13
Д
       PROBLEMS
                 OUTPUT
                          DEBUG CONSOLE
                                         TERMINAL
       [Running] python -u "c:\Users\cheth\OneDrive\Desktop\SFBU\SEM3\ALGORITHMS\hw1dummy.py"
       [0, 1]
       [1, 2]
       [0, 1]
       [Done] exited with code=0 in 0.226 seconds
```