```
X File Edit Selection View Go Run Terminal Help
                                                                            bellman_ford.cpp - DAA - Visual Studio Code
                                                                                                                                                                             ▷ □ …
      G n_queens.cpp
                       Assignment_2.docx
                                           G bellman_ford.cpp X
       ♣ bellman_ford.cpp > ...
            #include<bits/stdc++.h>
            using namespace std;
            vector⟨int⟩ bellman ford(int n, int m, int src, vector⟨vector⟨int⟩> &vec)
        5
        6
                vector<int> dist(n, 1e9);
        7
                dist[src] = 0;
        8
        9
                for(int i=0; i<n-1; i++)
       10
       11
                    for(int j=0; j<m; j++)
       12
       13
                       int u = vec[j][0];
       14
                       int v = vec[j][1];
       15
                       int wt = vec[j][2];
       16
       17
                       if((dist[u]!=1e9) && ((dist[u]+wt)<dist[v]))
       18
                           dist[v] = dist[u]+wt;
       19
       20
       21
       22
       23
       24
                // Check for negative weight cycle
       25
       26
       27
                bool flag = false;
       28
       29
                for(int j=0; j<m; j++)
       30
       31
                    int u = vec[j][0];
       32
                    int v = vec[j][1];
       33
                    int wt = vec[j][2];
       34
       35
                    if((dist[u]!=1e9) && ((dist[u]+wt)<dist[v]))</pre>
       36
       37
                       flag = true;
       38
                       break;
       39
× ⊗0∆0 ⋒
```



