```
#include <iostream>
using namespace std;
struct Edge {
  int u, v, weight;
};
class DisjointSet {
public:
  DisjointSet(int n) {
     for (int i = 0; i < n; ++i) {
       parent[i] = i;
    }
  }
  int find(int u) {
     if (parent[u] != u) {
        parent[u] = find(parent[u]); // Path compression
     }
     return parent[u];
  }
  void unionSets(int u, int v) {
     int rootU = find(u);
     int rootV = find(v);
     if (rootU != rootV) {
       parent[rootV] = rootU; // Union
     }
  }
private:
  int parent[100]; // Assuming a maximum of 100 vertices
};
// Function to sort edges using bubble sort
void bubbleSort(Edge edges[], int E) {
  for (int i = 0; i < E - 1; i++) {
     for (int j = 0; j < E - i - 1; j++) {
       if (edges[j].weight > edges[j + 1].weight) {
          // Swap edges
          Edge temp = edges[j];
          edges[j] = edges[j + 1];
          edges[j + 1] = temp;
       }
     }
  }
```

```
}
int main() {
  int V, E;
  cout << "Enter the number of vertices: ";
  cout << "Enter the number of edges: ";
  cin >> E;
  Edge edges[100]; // Assuming a maximum of 100 edges
  cout << "Enter edges in the format (u v weight):\n";
  for (int i = 0; i < E; ++i) {
     cin >> edges[i].u >> edges[i].v >> edges[i].weight;
     // Convert to zero-based indexing
     edges[i].u--; // Decrementing to use zero-based index
     edges[i].v--; // Decrementing to use zero-based index
  }
  // Sort edges based on weight using bubble sort
  bubbleSort(edges, E);
  DisjointSet ds(V);
  int totalWeight = 0;
  cout << "\nMinimum Cost Spanning Tree Edges:\n";</pre>
  for (int i = 0; i < E; ++i) {
     if (ds.find(edges[i].v)) != ds.find(edges[i].v)) {
       ds.unionSets(edges[i].u, edges[i].v);
       totalWeight += edges[i].weight;
       cout << "[" << edges[i].u + 1 << "] ----- [" << edges[i].v + 1 << "] : " << edges[i].weight
<< endl; // Convert back to 1-based for output
     }
  }
  cout << "\nTotal weight of the Minimum Cost Spanning Tree: " << totalWeight << endl;
  return 0;
}
```

Output: