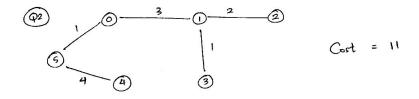
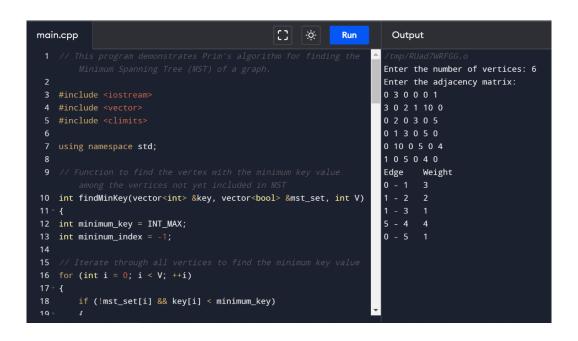
$\label{link-distribution} \textbf{GitHub link-} \underline{\text{https://github.com/LasithaJananjaya/CS2023-Data-Structures-and-Algorithms---Workspace/tree/main/inclass-lab11}$

0	i	2	3	4	5
0	3	0	0	0	1
3	0	2	,	10	0
0	2	6	3	0	5
0	\	3	0	5	0
0	10	0	5	0	4
1	0	5	0	4	0
	3	3 2 0 2 0 1	0 3 0 3 0 2 0 2 0	0 3 0 0 3 0 2 1 0 2 0 3 0 1 3 0	0 3 0 0 0 3 0 2 1 10 0 2 0 3 0 0 1 3 0 5 0 10 0 5 0





Yes, It is essential that all the weights within the graph with exhibit uniqueness, indicating that each individual edge possesses a distinct & exclusive weight.

(dx)	Prim's Algorithm	Kruskal's Algorithm		
	Time complexity depends on the data structure wed	time complexity depends on the sorting of edges - buted on their		
	O(v2) -> Adjustering	O (Elogis) or O(Elogis)		
	$O((V+E)\log V) \rightarrow binory$ heap	Performs union-find operations to detect and merge disjoint sets.		
				

Typically, Prim's algorithm tends to exhibit higher time complexity compared to Kruskal's algorithm. (Particularly in dense graphs.). Kruskal's algorithm proves to be efficient for sparse graphs, where the number of edges are comparatively lower.