

A decorative vertical bar on the left side of the slide. It consists of a dark teal background with a white vertical stripe. To the right of the stripe are several orange circles of varying sizes, and a thin orange vertical line is positioned further to the right.

# DATA STRUCTURES USING 'C'

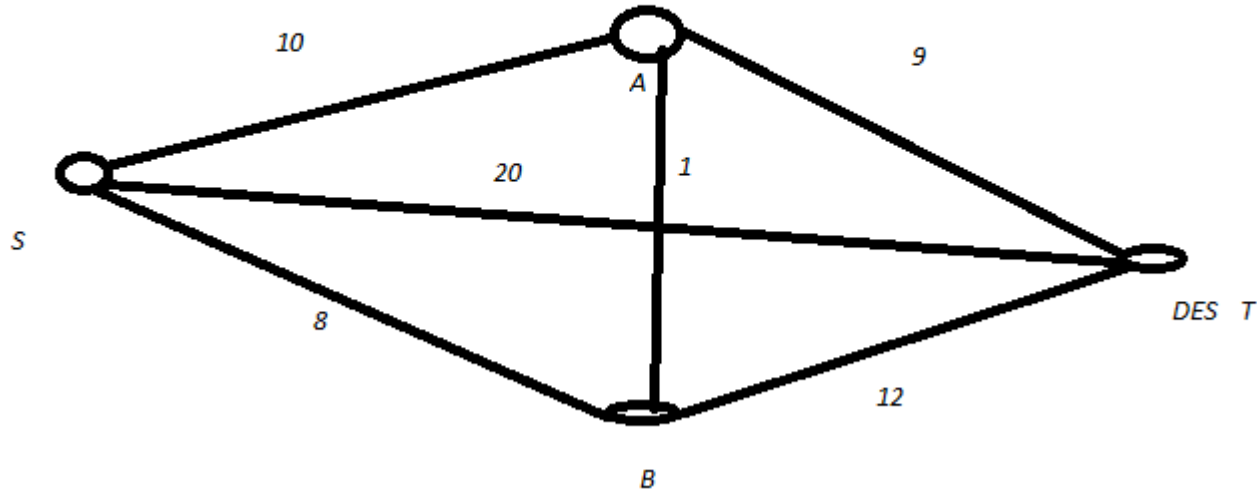
Find shortest path from s to t.

# Dijkstra algo

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# Dijkstra (Single source shortest path)

Find shortest path from s to t.



NODE SELECTED	NODES CHILD WITH accumulated WEIGHT	Queue(priority is marked and selects with priority)
S	A(10),T(20),B(8)	A(10),T(20), <u>B(8)</u>
B	A(9),T(20)	<u>A(9)</u> ,,T(20)
A	T18	T(18),
T( reached to destination)		

- Here we have updated information at each step.