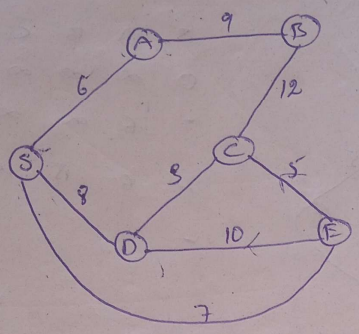
Dijkstras Graph



Step 1 :- Make Source node 0 & all other (infinity)

S	A	B	C	D	E
0	∞	∞	∞	∞	∞

S is completed

Step 2 :- start from source and update values.

S	A	B	C	D	E
0	6	∞	∞	8	7

A is visited

Step 3 :- Go and pick smallest value & update

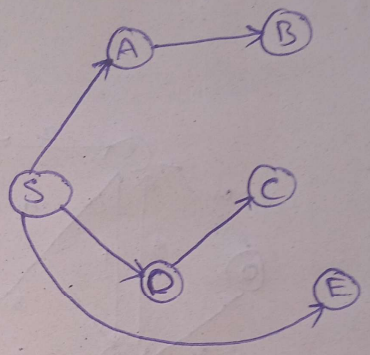
S	A	B	C	D	E
0	6	15	∞	8	7

Step 4 :- Pick lowest value & update. (<)

S	A	B	C	D	E
0	6	15	12	8	7

Step 5 :- Pick lowest value & if less update

S	A	B	C	D	E
0	6	15	11	8	7

Paths

Nodes	Value	Paths
S	0	
A	6	(S - A)
B	15	(S - A - B)
C	11	(S - D - C)
D	8	(S - D)
E	7	(S - E)