	Apply dijkstra's algorithm to find shortest distance from the vertex S for the graph attached.
	(S) 3 2 9 4 6
	5 C 2 D
	Consider 's' is a Source vertex
1.	S(0,-) A(S,10) C(S,5) D(0,60) B(-60)
.	c(s,5) A(c,8) D(c,7) B(c,14)
3)	D(C,7) A(C,8) B(D,13) S(D,14)
५)	A(C,8) [B(A,9)] D(-m)
5)	B(A,9)
	$B(A,9) \rightarrow A(c,e) \rightarrow c(s,s) \rightarrow s(o,1)$ $B \rightarrow A \rightarrow c \rightarrow s$
	:. Shortest paths are: S -> C -> A -> B = 9
	2 → c = 5
	$S \rightarrow C \rightarrow A = 8$
	S-> c-D=7