**OUTPUT:**

Enter number of Cities: 5

Enter city name: a

Enter city name: b

Enter city name: c

Enter city name: d

Enter city name: e

Enter Cost of line Between city a and b(-1 for no line): 5

Enter Cost of line Between city a and c(-1 for no line): 6

Enter Cost of line Between city a and d(-1 for no line): -1

Enter Cost of line Between city a and e(-1 for no line): -1

Enter Cost of line Between city b and c(-1 for no line): 4

Enter Cost of line Between city b and d(-1 for no line): 3

Enter Cost of line Between city b and e(-1 for no line): -1

Enter Cost of line Between city c and d(-1 for no line): 8

Enter Cost of line Between city c and e(-1 for no line): -1

Enter Cost of line Between city d and e(-1 for no line): 5

Enter starting city of network: 1

b to d = 3

b to c = 4

b to a = 5

d to e = 5

Weight of MST is 17