

Node Insertion :

Connection Successfully

Graph Database

Extra Page

Node

Edge

Node	x	y
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Insert

x : y :

Delete

After Insertion :

Connection Successfully

Graph Database

Extra Page

Node

Edge

Node	x	y
A	1	2

Insert

x : y :

Delete

Similarly Inserting nodes B(1,1) , C(2,5), & D(4,4)

Connection Successfully

Graph Database

Extra Page

Node

Edge

Node	x	y
A	1	2
B	1	1
C	2	5
D	4	4

Insert

Node name

x: y:

Insert

Delete

Node Name Delete

Now inserting a duplicate node, let's add node with same coordinates

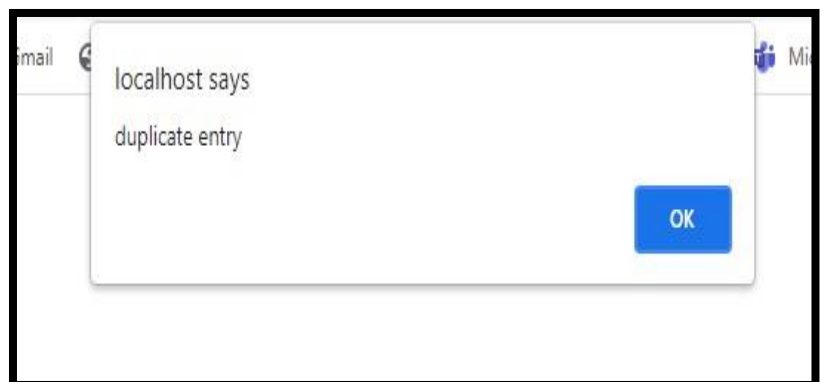
Insert

x: y:

Insert

Delete

Node Name Delete



Node deletion:

Connection Successfully

Graph Database

Extra Page

Node

Edge

Node	x	y
A	1	2
B	1	1
C	2	5
D	4	4


Insert

Node name

x: y:

Insert

Delete



Delete

Connection Successfully

Graph Database

Extra Page

Node

Edge

Node	x	y
A	1	2
B	1	1
C	2	5

Insert

Node name

x: y:

Insert

Delete

Delete

Edge Insertion :

Graph Database

Extra Page

Node

Edge

Node	x	y
A	1	2
B	1	1
C	2	5

EdgeName	first	last	weight
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Edge insert

A

10

B

Insert

Edge Delete

Edge Name

Delete

After insertion :

Graph Database

Extra Page

Node

Edge

Node	x	y
A	1	2
B	1	1
C	2	5

EdgeName	first	last	weight
AB	A	B	10

Edge insert

1st Node...

weight...

2nd Node...

Insert

Edge Delete

Edge Name

Delete

Similarly inserting edges AC , BD

Graph Database

Extra Page

Node

Edge

Node	x	y
A	1	2
B	1	1
C	2	5
D	4	4

EdgeName	first	last	weight
AB	A	B	10
AC	A	C	2
BD	B	D	5

Edge insert

1st Node... weight... 2nd Node...

Insert

Edge Delete

Edge Name

Delete

Deleting Edges

Graph Database

Extra Page

Node

Edge

Node	x	y
A	1	2
B	1	1
C	2	5
D	4	4

EdgeName	first	last	weight
AB	A	B	10
AC	A	C	2
BD	B	D	5

Edge insert

1st Node... weight... 2nd Node...

Insert

Edge Delete

AB

Delete

After deleting :

Graph Database

Extra Page

Node

Edge

Node	x	y
A	1	2
B	1	1
C	2	5
D	4	4

EdgeName	first	last	weight
AC	A	C	2
BD	B	D	5

Edge insert

Insert

Edge Delete