

MA 518: DATABASE MANAGEMENT SYSTEMS

MONSOON 2021

LAB #6: Database processing using PHP

This lab is an extension of Lab#5. We created a database called “graph” to store the nodes and edges of a graph. Delete the tuples in these tables using the SQL TRUNCATE statement.

1. (a) Use HTML form and PHP code to connect to the database server. Insert the tuples (7,1), (2,2), (3,6), (4, 4) into Nodes.
(b) Write a PHP code to show the tuples of table Nodes in tabular format.

Node	x	y
1	7	1
2	2	2
.....		

2. (a) Using a HTML form and PHP code to connect to the database server, insert the following tuples into Edges2

Node1	Node2	weight
(7,1)	(2,2)	3
(2,2)	(3,6)	4
(3,6)	(4,4)	5
(2,2)	(3,3)	4

- (b) Write a PHP code to show the entries in tabular format on the fly, as we insert records. A sample output format in Annexure I. For example, we insert the values (7,1) (2,2) and 3. As soon as we press submit the lower table should get refreshed.
3. On similar lines of Q2, write a PHP code to delete edges of the graph. The number of rows deleted should be shown.

Deliverable: For each exercise, submit the SQL code and a snapshot of the database after the code is executed.

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Annexure I

Form to insert edge weights

Node1(x1)	<input type="text" value="7"/>
Node1(y1)	<input type="text" value="1"/>
Node2(x2)	<input type="text" value="2"/>
Node2(y2)	<input type="text" value="2"/>
Weight	<input type="text" value="3"/>
	<input type="button" value="SUBMIT"/>

x1	y1	x2	y2	Weight
7	1	2	2	3

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