Mark Eatough

CSIS 2430 9:00 Class

Programming Project 8

Database Program

Assignment objective:

Setup a database to handle the final project. Choose any SQL or NoSQL database. Take a screen shot of the work and submit.

What Worked?:

Once I got everything set up moving the data that I had hard coded into my programs was pretty easy. I created train travel objects which included start city, end city, travel time, and cost. I added all of these items to a list, and then iterated through the list adding each item to the corresponding column.

What did not work?:

The hardest part about this project was getting MySQL setup to work with everything on my machine. The first time I attempted to do the download I must have done something wrong because the Command line client would not execute when I clicked on the icon, and when I tried to access it via command prompt I got a message saying access denied. I spent several hours trying to get this to all come together, before uninstalling and re-installing MySQL which then worked.

Comments:

I had never used any sort of database before this assignment. While I was frustrated getting everything set up I feel like I learned a lot doing it. It is easy to see how being able to import data from a database or export data to a database will be a valuable skill and a huge time saver for me someday in the future.

Data imported from database and printed using python

ı j	GRASP Wedge2	Phonellale	Paragrammy Station 200	-		X
	Hit anv	key to start.				-
Ιd	StartCity	EndCity	Time	Dollars	Euros	_
ī	Rostock	Hamburg	1 Hours 47 Miniutes	\$82.00	60.68 Euros	
	Hamburg	Rostock	1 Hours 47 Miniutes	\$82.00	60.68 Euros	
2 3 4 5 6	Hamburg	Lubeck	0 Hours 45 Miniutes	\$26.00	19.24 Euros	
4	Lubeck	Hamburg	0 Hours 45 Miniutes	\$26.00	19.24 Euros	
Ę.	Hamburg	Berlin	1 Hours 51 Miniutes	\$109.00	80.66 Euros	
1 6	Berlin	Hamburg	1 Hours 51 Miniutes	\$109.00	80.66 Euros	
ř	Hamburg	Bremen	1 Hours 9 Miniutes	\$43.00	31.82 Euros	
8	Bremen	Hamburg	1 Hours 9 Miniutes	\$43.00	31.82 Euros	18
9			1 Hours 20 Miniutes	\$78.00	57.72 Euros	
10	Hamburg	Hannover	1 Hours 20 Miniutes		57.72 EUPUS	
	Hannover	Hamburg		\$78.00	57.72 Euros	
11	Hannover	. Kassel	0 Hours 55 Miniutes	\$65.00	48.10 Euros	
12	. Kassel	Hannover	0 Hours 55 Miniutes	\$65.00	48.10 Euros	
13	Hannover	_ Kassel	2 Hours 26 Miniutes	\$101.00	74.74 Euros	
14	Kassel	Hannover	2 Hours 26 Miniutes	\$101.00	74.74 Euros	
15	Kassel	Frankfurt	1 Hours 32 Miniutes	\$75.00	55.50 Euros	
16	Frankfurt	Kasse1	1 Hours 32 Miniutes	\$75.00	55.50 Euros	
17	Dusseldorf	Ko 1n	0 Hours 24 Miniutes	\$26.00	19.24 Euros	
18	Ko 1n	Dusseldorf	0 Hours 24 Miniutes	\$26.00	19.24 Euros	
19	Ko 1n	Bonn	0 Hours 23 Miniutes	\$22.00	16.28 Euros	
20	Bonn	Ko 1n	0 Hours 23 Miniutes	\$22.00	16.28 Euros	
21	Ko 1n	Frankfurt	1 Hours 5 Miniutes	\$112.00	82.88 Euros	
22 23	Frankfurt	Ko 1n	1 Hours 5 Miniutes	\$112.00	82.88 Euros	
23	Bonnn	Frankfurt	1 Hours 58 Miniutes	\$72.00	53.28 Euros	
24	Frankfurt	Bonnn	1 Hours 58 Miniutes	\$72.00	53.28 Euros	
24 25	Frankfurt	Wiesbaden	0 Hours 49 Miniutes	\$29.00	21.46 Euros	
26	Wiesbaden	Frankfurt	0 Hours 49 Miniutes	\$29.00	21.46 Euros	
55	Frankfurt	Mannhiem	0 Hours 38 Miniutes	\$54.00	39.96 Euros	
27 28	Mannhiem	Frankfurt	0 Hours 38 Miniutes	\$54.00	39.96 Euros	
29	Frankfurt	Karlsruhe	1 Hours 3 Miniutes	\$69.00	51.06 Euros	
30	Karlsruhe	Frankfurt	1 Hours 3 Miniutes	\$69.00	51.06 Euros 51.06 Euros	
31	Frankfurt	Baden Baden	1 Hours 19 Miniutes	\$78.00	57.72 Euros	
32			1 Hours 19 Miniutes	\$78.00	57.72 Euros 57.72 Euros	
32 33	Baden Baden	Frankfurt			74.74 Euros	
33	Frankfurt	Stuttgart	1 Hours 34 Miniutes	\$101.00		
34	Stuttgart	Frankfurt	1 Hours 34 Miniutes	\$101.00	74.74 Euros	
35	Frankfurt	Nuremburg	2 Hours 6 Miniutes	\$89.00	65.86 Euros	
36	Nuremburg	Frankfurt	2 Hours 6 Miniutes	\$89.00	65.86 Euros	
37	Manhiem	Stuttgart	0 Hours 38 Miniutes	\$55.00	40.70 Euros	
38	Stuttgart	Manhiem	0 Hours 38 Miniutes	\$55.00	40.70 Euros	
39	Manhiem	Karlsruhe	1 Hours 7 Miniutes	\$32.00	23.68 Euros	
40	Karlsruhe	Manhiem	1 Hours 7 Miniutes	\$32.00	23.68 Euros	
41	Manhiem	Baden Baden	0 Hours 39 Miniutes	\$54.00	39.96 Euros	
42	Baden Baden	Manhiem	0 Hours 39 Miniutes	\$54.00	39.96 Euros	
43	Karlsruhe	Baden Baden	0 Hours 20 Miniutes	\$23.00	17.02 Euros	
44	Baden Baden	Karlsruhe	0 Hours 20 Miniutes	\$23.00	17.02 Euros	
45	Karlsruhe	Stuttgart	0 Hours 55 Miniutes	\$36.00	26.64 Euros	
46	Stuttgart	Karlsruhe	0 Hours 55 Miniutes	\$36.00	26.64 Euros	
47	Baden Baden	Basil	1 Hours 28 Miniutes	\$77.00	56.98 Euros	
48	Basil	Baden Baden	1 Hours 28 Miniutes	\$77.00	56.98 Euros	
49	Stuttgart	Nuremburg	2 Hours 11 Miniutes	\$59.00	43.66 Euros	
50	Nuremburg	Stuttgart	2 Hours 11 Miniutes	\$59.00	43.66 Euros	
51	Stuttgart	Munich	2 Hours 15 Miniutes	\$92.00	68.08 Euros	
52	Munich	Stuttgart	2 Hours 15 Miniutes	\$92.00	68.08 Euros	
E2		Nuremburg		\$91.00	67.34 Euros	
23	Munich		1 Hours 14 Miniutes			
54	Nuremburg	Munich	1 Hours 14 Miniutes	\$91.00	67.34 Euros	
55	Nuremburg	Dresden	4 Hours 14 Miniutes	\$113.00	83.62 Euros	

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		o nours	36 Miniutes	\$136.00	100.64	Euros	
esden	Leipzig	1 Hours	37 Miniutes	\$43.00	31.82	Euros	
ipziq		1 Hours	37 Miniutes	\$43.00	31.82	Euros	
esden	Berlin	2 Hours	10 Miniutes	\$76.00	56.24	Euros	
Berlin	Dresden	2 Hours	10 Miniutes	\$76.00	56.24	Euros	
ipziq				\$68.00	50.32	Euros	
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Data sent to MySQL database through python

MySQL 5.6 Command I	Line Client	and the same of the same of	_ = X
Id StartCity	EndCity		Dollars Euros
1 ¦ Rostock	: Hamburg	¦ 1 Hours 47 Miniutes	\$82.00 60.68 Euros
2 Hamburg	Rostock	1 1 Hours 47 Miniutes	: \$82.00
3 Hamburg	Lubeck	: 0 Hours 45 Miniutes	\$26.00 19.24 Euros
4 Lubeck	: Hamburg	: 0 Hours 45 Miniutes	\$26.00 19.24 Euros
5 Hamburg	: Berlin	l 1 Hours 51 Miniutes	\$109.00 80.66 Euros
6 Berlin	l Hamburg	l 1 Hours 51 Miniutes	\$109.00 80.66 Euros
7 Hamburg	: Bremen	l 1 Hours 9 Miniutes	\$43.00 31.82 Euros
8 Bremen	Hamburg	1 Hours 9 Miniutes	\$43.00 31.82 Euros
2 Hamburg 3 Hamburg 4 Lubeck 5 Hamburg 6 Berlin 7 Hamburg 8 Bremen 9 Hamburg	Hannover	l 1 Hours 20 Miniutes	\$78.00 57.72 Euros
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