CSCE 156 – Lab 08: SQL I

Win!"

W	orkshe	et	Summer 2018			
Na	me		Role (Select One): <u>Driver/Navigator</u>			
GU ins	II SQL to tructors	ol su can	ion, write an SQL query to get the specified result. You are highly encouraged to use a uch as MySQL Workbench and keep track of your queries in an SQL script so that lab verify your work. If you do, write your queries in the Lab-SQL_I-Worksheet.sql er than hand-writing your queries here and turn it along with this worksheet.			
Qı	ıeryin	g D	ata			
1.	Write queries to get the following results					
		a.	A list of all musicians (first name and last name) from the USA			
		b.	A list of all musicians from England (which includes the UK, England, and Britain)			
		c.	A list of all individual songs in the database (titles) in alphabetic order			
		О.	7 (13c of all marviadar 30ngs in the database (titles) in diphasette order			
		d.	What is the AlbumID for the album title "Odelay"?			
_						
2.	2. Write a query to find the following—just the number of records, not the actual records. query and the result.					
	query		How many albums have the word "Love" in their title?			
			·			
		b.	How many musicians are named "John"?			
			,			
3.	Write a	a que	ery to find the total running time (in seconds) of all tracks on the album "I Hope You			

4.	Write queries to join two or more tables to get the following results a. List the title and year of all albums by the band 'Korn'.			
	b. List all the track numbers and song titles of all songs from the of their track number	album Odelay in the order		
5.	5. List the titles of all songs and their albums by the band 'Linkin Park'.			
6.	. List the titles of all songs which do not appear in an Album. What was the minimum number of joins necessary and why?			
7.	7. The following will require some aggregation queriesa. List all Albums and the number of tracks on them.			
	b. Perform the same query, but limit it to albums that have 12 o	r more tracks.		
8.	8. Write a query that counts the number of songs performed by the "musici	an" Nick Carter.		
Inserting & Deleting Data 9. Write and run queries to delete the following data a. Delete the album titled "Kid A"				
	b. Attempt to delete the song titled "Paranoid Android" from th happens and why?	e Songs table. What		

	c.	Write a query or queries that successfully delete the record(s) necessary in order to delete the song "Paranoid Android", then delete the song itself.			
10. Cha	nge th	e album title "Kid" to "Kid A"			
11. Cho		ur favorite album and insert it into the database by doing the following Write a query to insert the Band of the album			
	b.	Write a query to Insert the Album			
	c.	Write two queries to insert the first two Songs of the album			
	d.	Write two queries to associate the two songs with the inserted album			
Advar	rced .	Activities			
1.	1. SQL supports basic arithmetic operations (+, -, /, *, %) in its queries. Design an SQL query that calculates the total running time for a particular album (identified by AlbumID) by selecting two columns: minutes and seconds which both should be whole integers. Then create a query that returns the running time as a string in the format, "mm:ss" (hint/warning: string formatting is specific to particular databases and is not standard SQL; for MySQL see the LPAD and CONCAT functions).				
2.	be que	up on the syntax for creating a <i>view</i> —a stored query that creates a virtual table that can eried as if it were an actual table in the database. Create a view in your album database to en" the album and song data into one accessible table; include the following columns: ald, AlbumTitle, BandId, TrackNumber, SongId, and SongTitle.			
	Date_	Lab Instructor Signature			