



1.

Write a SQL query that produces a list of all Kiss albums in the Chinook database.  
How many Kiss albums are contained within the database?

Your Answer:

```

SELECT COUNT(*)
FROM "Album" as "Al"
RIGHT JOIN "Artist" as "Ar"
ON "Al"."ArtistId"="Ar"."ArtistId"
WHERE "Ar"."Name"='Kiss'
GROUP BY "Ar"."ArtistId";
  
```

2.

Referencing previous query output, how many Kiss albums are contained within the database?

☐ 1

☐ 0

☒ 2

☐ 3

3.

Identify the name of the foreign key you used to answer the question about the number of Kiss albums contained in the database.

"ArtistId"

4.

Write a SQL query that provides a list of all the Kiss songs on Kiss albums contained within the Chinook database. The output of the query MUST include artist name, album title, track name and composer.

Your Answer:

```
SELECT "Ar"."Name", "Al"."Title", "Tr"."Name", "Tr"."Composer"
FROM ("Album" AS "Al"
RIGHT JOIN "Artist" AS "Ar" ON "Al"."ArtistId"="Ar"."ArtistId")
LEFT JOIN "Track" AS "Tr" ON "Al"."AlbumId"="Tr"."AlbumId"
WHERE "Ar"."Name"='Kiss';
```

5.

Referencing previous query output, which of the following Kiss singles is **NOT** available via the Chinook database?

☐ Beth

☐ Detroit Rock City

☒ Shandi

☐ Hard Luck Woman

6.

Identify the name of the foreign key you used to join the Track table with the Album table when generating a list of all Kiss songs and their associated artist name, album title, track name and composer.

"AlbumId"

7.

Write a SQL query that produces a list of the names of all customers who have purchased Kiss songs.

Your Answer:

```
SELECT "Cu"."FirstName"||' '||"Cu"."LastName" AS "CustomersName"
FROM (((("Artist" AS "Ar"
  LEFT JOIN "Album" AS "Al" ON "Ar"."ArtistId"="Al"."ArtistId")
  LEFT JOIN "Track" AS "Tr" ON "Al"."AlbumId"="Tr"."AlbumId")
  LEFT JOIN "InvoiceLine" AS "IL" ON "Tr"."TrackId"="IL"."TrackId")
  RIGHT JOIN "Invoice" AS "In" ON "IL"."InvoiceId"="In"."InvoiceId")
  RIGHT JOIN "Customer" AS "Cu" ON "Cu"."CustomerId"="In"."CustomerId"
  WHERE "Ar"."Name"='Kiss'
  GROUP BY "Cu"."CustomerId";
```

8.

What is the last name of the customer who purchased the most Kiss songs?

☐ Francis

☐ Murray

☒ Hämäläinen

☐ Vand der Berg

9.

How many foreign keys did you employ to answer the request for all Kiss song purchasers?

☐ 3

☐ 4

☒ 5

☐ 6