Diagram

Table Structure Diagram

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+------------+-----------------+-----------+----------+----------------+
|                               ARTIST                                 |
+------------+-----------------+-----------+----------+----------------+
|  Field     |     Type        |   Null    |   Key    |    Default     |
+------------+-----------------+-----------+----------+----------------+
| ID_Artist  |      INT        |    NO     | Primary  |     NULL       |
| Name       |   VARCHAR(50)   |    YES    |          |     NULL       |
| Style      |   VARCHAR(50)   |    YES    |          |     NULL       |
| Country    |   VARCHAR(50)   |    YES    |          |     NULL       |
|Start_Date  |     Date        |    YES    |          |     NULL       |
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+--------------------+--------------+----------+----------+--------------+
|                               ALBUM                                    |
+--------------------+--------------+----------+----------+--------------+
|  Field             |    Type      |   Null   |   Key    |   Default    |
+--------------------+--------------+----------+----------+--------------+
| ID_Album           |    INT       |    NO    | Primary  |    NULL      |
| Album_Title        | VARCHAR(50)  |    YES   |          |    NULL      |
| Album_Release_Date |    Date      |    YES   |          |    NULL      |
| Album_Type         | VARCHAR(50)  |    YES   |          |    NULL      |
| Record_Company     | VARCHAR(50)  |    YES   |          |    NULL      |
| ID_Artist          |    INT       |    NO    | Foreigne |    NULL      |
+--------------------+--------------+----------+----------+--------------+
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+--------------------+--------------+----------+----------+--------------+
|                               Song                                     |
+--------------------+--------------+----------+----------+--------------+
|  Field             |    Type      |   Null   |   Key    |   Default    |
+--------------------+--------------+----------+----------+--------------+
| ID_Song            |    INT       |    NO    | Primary  |    NULL      |
| Song_Title         | VARCHAR(50)  |    YES   |          |    NULL      |
| Song_Release_Date  |    Date      |    YES   |          |    NULL      |
| Duration           | Time         |    YES   |          |    NULL      |
| Language           | VARCHAR(50)  |    YES   |          |    NULL      |
| Nb_Listening       |    INT       |    YES   |          |    NULL      |
| ID_Album           | INT          |    NO    | Foreigne |    NULL      |
+--------------------+--------------+----------+----------+--------------+
```

ER Diagram

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+------------------+               _                +------------------+               _                +------------------+
|     ARTIST       |              / \               |     ALBUM        |              / \               |      SONG        |
+------------------+   (0,n)     / Produce \  (1,1) +------------------+   (1,n)     / Has \    (1,1) | +------------------+
| ID_Artist (PK)   | ----------/ Produce  \-------- | ID_Album (PK)    | ----------/ Has \---------- | ID_Song (PK)    |
| Name             |           \         /          | Album_Title      |           \     /             | Song_Title      |
| Style            |            \       /           | Release_Date     |            \   /              | Release_Date    |
| Country          |             \___/              | Album_Type       |             \_/               | Duration        |
| Start_Date       |                                | Record_Company   |                               | Language        |
+------------------+                                +------------------+                               +------------------+
```