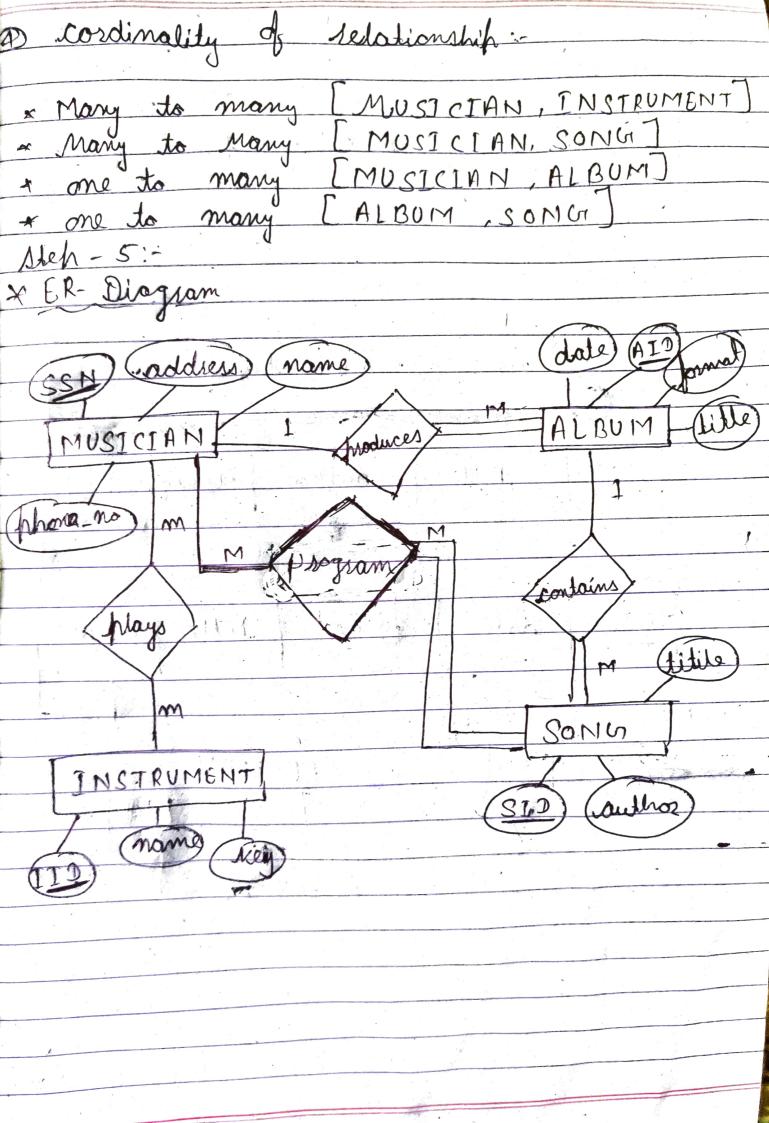
Music Satabase -* Notour Record has decided to store information about musicians uno perform on its albums Each musician that secords at rotown has an SSN, a name, an address, and a phone number. No musician has more than one phone each instrument used in songs recorded at Notown has a unique identification number, a name (e.g. guitar . Synthesizer . and flute) and a musical bey (P.g. C, B- flat, E- flat). Each album seconded on the Motour label has a unique identification number, a title a copyright date and a format (e.g. CD or MC). Each song recorded at Notour has a id little and an author. Each musician may play seneral instruments: and a given instrument may be played by several musicians Each album has a number of songs on it but no song may appear on more than one album Each song is performed by one or more musicians and a musician may perform a number of songs each album has enactly one musician uno acts as its produces. A musician may produce several albums Step 1: Identification of entities. Step 2: Identifications of attribute for each of the entities step 3: Relationship between the entities step 4! cardinality constraint and farticipale

11. LE. FR Diagram constraint step 5: ER Diagram step 6: Relationship Schema Diagram

* Intities:
Musician, Album, Instrument, song
* attribute *
V 0 111
* Entities MUSICIAN, ALBUM, INSTRUMENT, SONG
* Attributes:
MUSTCIAN: - SSN, Name, Address, phone no
ALBUM: AID tible, cohyright Date
- 0
INSTRUMENT:
I_ID, Nome, key(c, B-flat, E-flat)
SONG-
S.70. Audhor. Title
3 Relationship:
MUSICIAN and INSTRUMENT
(plays)
[MUSICIAN and [ALBUM]
produces -
MUSICIAN and SONIA
[MUSICIAN] sond SONU
(performs)
MALBUM and TSOME
Appears/contains)



Step: - 6 O MUSICIAN Ph- no SSN Name address INSTRUMENT 10-NO! name musician- Luy SONG ranters AL BUM AID date title 122 N PLAY SSN 1d-no PERFORM BIT NES