**Step1: identify entities:**

Diagram

Description automatically generated

**Step2: identify key attribute/s for each entity.**

Diagram

Description automatically generated

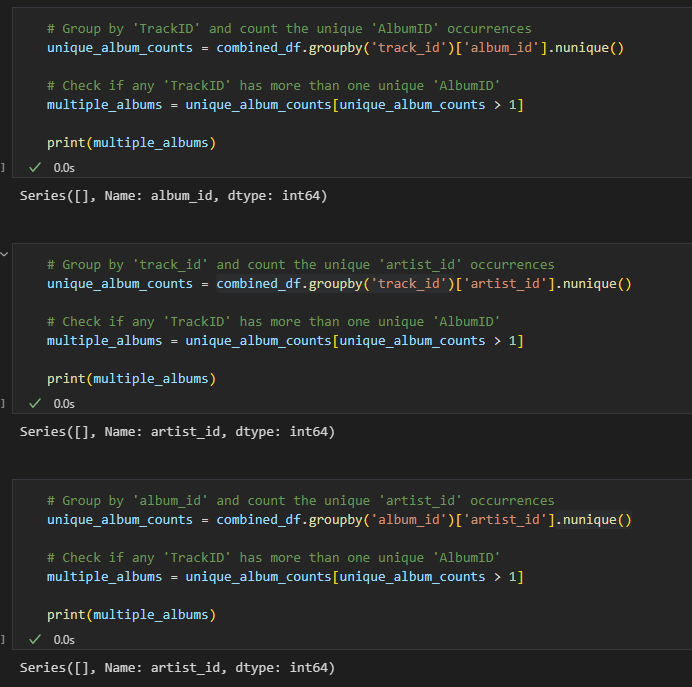
**Step 3: draw the relationships.**

According to the missing value check, a track will always be assigned to an album

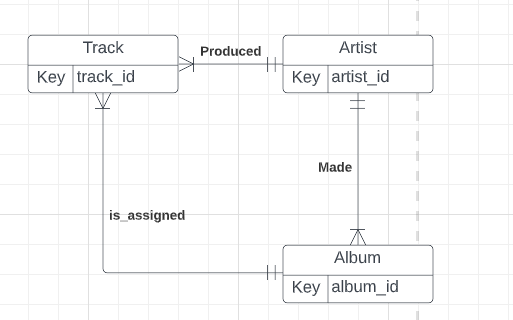
Graphical user interface, application

Description automatically generated

And this part of code shows that a track belongs to one album only, an album belongs to one artist only.



So the relationships:

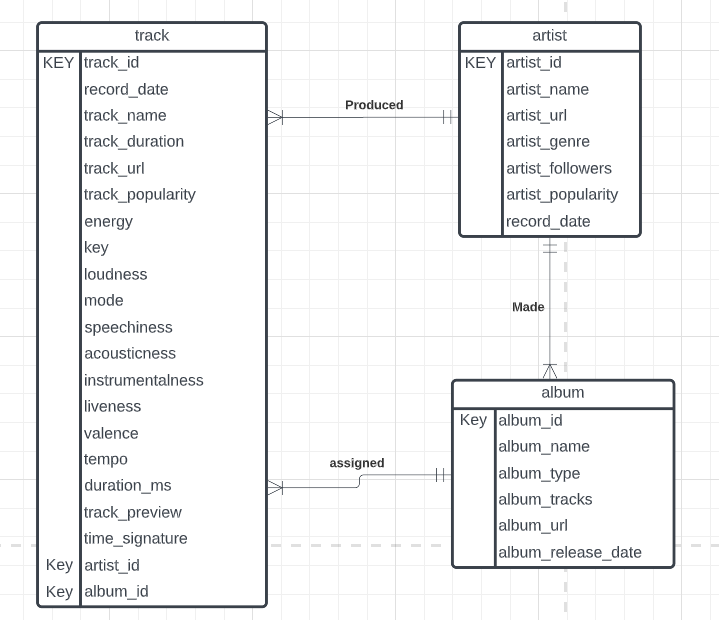


**Step 4: add non-key attributes:**

Record\_date -> multivalued attribute

Popularity -> multivalued attribute

Artist popularity -> multivalued attribute



**Step 5: remove multivalued attribute and create a new entity**

Diagram

Description automatically generated

**Step 6: Drawing Logical Model, Identify Primary Key and Foreign Key**

Diagram

Description automatically generated

**Step7: Set constraint and add new entity based on case study**

No case study available, skip this part for now