CSCI 403 Database Mangement Project 7

Attributes: Scomposer, era, era-dates, birthplace, continent, work, setting 3 key: Scomposer, era, work?

Functional Dependencies:

{composer, 3 → {birthplace } {composer, work 3 → {setting } {era 3 → {era -data} {birthplace } → {continent}

Solution:

Step 1:

1. starting Schemer: R

2. Decompose on : {composer} > { birthplace, continent }

Results:

R1: { composer, era, era-dates, work, setting }

R2: { composer, birth place, continent } +

Step 2:

1. Startly Scheme: R1

2. Décompose on: {composer, work} -> ? setting?

Results:

R3: { conposer, work, era, era-dates }

Ru: Scamposer, norte, setting 3 x

Step 3:

1. Starting Schema: 123

2. Decompose on: {era? -> {era-dates}

Results:

R5: { composer, work, era } >

Rb: {ena, era-dates} *

final Octobase:

R5: Scomposer, work, era?

FD: {composer, work, era} > {composer, work, era}

a Since the closure of composer encograbates

R2: Ecomposer, birthplace, continent }

FD: {composer} > {birthplace, continent}

R4: {composer, work, setting }

FD: {composer, worle] -> { setting }

Rb: Sera, era-dates }

FD: {em}-) [em-dates]