

COMP23111 - Lab Exercise 4

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1 Part 1 - RA Expressions

- I.
 - A. $\pi_{manager_id,name}(Manager)$
 - B. $\pi_{manager_id,telephone}(ManPhone)$
 - C. $\pi_{artistic_name,genre,managed_by}(Artist)$
 - D. $\pi_{artistic_name,date_first_performance,real_name}(SoloArtist)$
 - E. $\pi_{artistic_name,date_formed}(GroupArtist)$
 - F. $\pi_{sound_eng_id,name}(SoundEngineer)$
- II.
 - A. $\sigma_{artistic_name='Palmer\ John'}\pi_{manager_id,name}(SoloArtist)$
 - B. $\sigma_{artistic_name='Goldfrat'}\pi_{artistic_name,date_formed}(GroupArtist)$
 - C. $\sigma_{editedBy='MaxSpring'}\pi_{track_id,working_title,working_length,recordedBy,editedBy}(MasterTrack)$
 - D. $\sigma_{group_artistic_name='Goldfrat'}\pi_{solo_artistic_name,group_artistic_name,date_joined}(MemberOf)$
- III. $\sigma_{group_artistic_name='Flut'}\pi_{solo_artistic_name}(MemberOf)$
- IV.
 - A. $\tau_{(working_title,A)}(\pi_{track_id,working_title,working_length,recordedBy,editedBy}(MasterTrack))$
 - B. $\tau_{(working_title,D)}(\pi_{track_id,working_title,working_length,recordedBy,editedBy}(MasterTrack))$
- V. $\tau_{(working_title,D)}(\sigma_{editedBy='MaxSpring'}\pi_{recordedBy}(MasterTrack))$