

Loans with many different hours payment could be possible. Dotal participation from Account to transaction as there must be a account before any transaction. Similarly for loans Relational model Conversion from ER diagram Step 1 > Consider all Strong Entities

a primary Koy

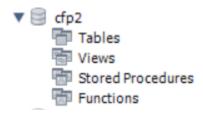
Event (Ename, CFP Text, Weblink) Relation name astributes Research topic (Area, R-Name) Ceople ( Affiliation, P-Name) Step 2 -> Add welcok Entity Activity (EA-Name, Event-name, A-date, Activityman) Foriegn key to Event Step3 Mapping of M: N relations Organises (FO-name, PO-name, role) Covers (E(-name, R(-name)

Step 4 Subclasses ) 2 Event Conference ( Eve\_ name, E C-Pale, E C-City, E C-Country)

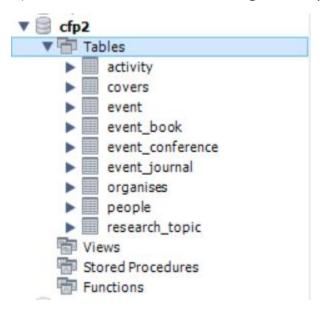
Forisign key to Event I name 2 Event journal (Ev-name, Fj-journalname, Ej-Publisher) Event book (Ev-name, EB-Publisher) 2 migueness =) 9 (1) for Event table => CFPT-tect is not unique as it could be similar among dipprent event > Similarly web link Could be shared by different luent por diffrent dates so not unique 2 (2) for Activity table => Event name and Activity name C Should bl unique to remove any misunderstanding. Event journal name is unique to make sure 2 different journal are distinguished for Event book table ) publisher is not unique as multiple publisher could publish same book

## Q2 Screen Shots -

1) Database tables before running the script –



2) Database tables after running the script -



3) Success status of the script –

0	3 22:58:37 USE 'cfp2'	0 row(s) affected	0.000 sec
0	4 22:58:37 CREATE TABLE Event ( code for varchar length taken from lecture slide 6 CFPT_text varchar(30) NOT	0 row(s) affected	0.032 sec
0	$5\ \ 22.58:37\ \ CREATE\ TABLE\ Research\_topic\ ( -code\ for\ varchar\ length\ taken\ from\ lecture\ slide\ 6 Area\ varchar(30)\dots (30)$	0 row(s) affected	0.031 sec
0	6 22:58:37 CREATE TABLE People ( Affiliation varchar(30), P_name varchar(15) NOT NULL, unique (P_name), PRI	0 row(s) affected	0.031 sec
0	7 22:58:37 CREATE TABLE Organises ( EO_name varchar(30) NOT NULL,primary key of event PO_name varchar	0 row(s) affected	0.047 sec
0	8 22:58:37 CREATE TABLE Covers ( EC_name varchar(30) NOT NULL, -primary key of event RC_name varchar(3.	0 row(s) affected	0.047 sec
0	9 22:58:37 CREATE TABLE Activity ( here seeing unique A_date int NOT NULL, Event_name varchar(15) NOT N	. 0 row(s) affected	0.031 sec
0	10 22:58:37 CREATE TABLE Event_conference ( EC_date int NOT NULL, EC_city varchar(15) NOT NULL, EC_coun	0 row(s) affected	0.031 sec
0	11 22:58:37 CREATE TABLE Event_journal ( EJ_journal_name varchar(30) NOT NULL, EJ_publisher varchar(30) NO.	. 0 row(s) affected	0.032 sec
0	$12\ \ 22.58:37\ \ CREATE\ TABLE\ Event\_book\ ( EB\_publisher\ varchar(30)\ NOT\ NULL\ ,\ EB\_name\ varchar(40)\ NOT\ NULL\ ,$	0 row(s) affected	0.031 sec