

1. Entities:
 Chamber of Congress, Party, Congress person, Bill, State, Senator, Representative
2. Chamber(id, name)
 Term(bioguide_id,start,end, type, state, url, district, party, chamber)
 District(number,state)
 State(name, num_districts)
 Legislator(bioguide_id, Last Name, First Name, birthday, gender, wikipedia_id, govtrack_id, official_full_name)
 Sponsors(Legislator_id,Bill_id)
 Legislator_Vote(Vote_id, bioguide_id, how_voted)
 Bill(id, type, title, popular_title, short_title, status, summary, congress, number)
 Amendment(id, description, purpose, status, introduced_at, type, Bill_id, Amendmant_id, congress, number)
 Vote(id, chamber, category, question, congress, session, result, requires, number, date, type, Bill_id, Amendment_id)
 Subject(subject, Bill_id)
 Session(congress, type, begin, end)
 Congress(id, begin, end)
3. minimal basis: there are no functional dependencies in our data, therefore the minimal set which forms a basis in each relation is just the key for that relation: Chamber: id
 Term: bioguide_id,start,end
 District: number
 State:name
 Legislator: bioguide_id
 Sponsors: Legislator_id,Bill_id
 Legislator_Vote: Vote_id, bioguide_id
 Bill: id
 Amendment: id
 Vote: id
 Subject: subject
 Session: congress, type
 Congress: id