Q1	NOTED IN README. MD
Qa	TOOK ~2.7 sec with #RHS=1,#LHS=1. Since total number of attributes = 10, possible combinations =
	The humber above might be a bit liberal but it proves the point of the proving approach.
Q3	IN THE INTEREST OF TIME, FOLLOWING FUNCTIONAL DEPENDENCIES WERE WORKED OUT BY HAND SUBMISSION CONTAINS CODE TO GET THEM COMPUTATIONALLY THESE FDS WERE VALIDATED Movie ID -> TYPE AGAINST CODE Movie ID -> Aug Rating Member ID -> Birth Year

· Movie ID, Member ID → Character				
· Genre ID -> Genre · Character -> Birthyear · Movie ID -> Runtime				
				· Movie ID → Start Year
THERE ARE A FEW OTHERS TOO BUT THEY ARE				
TRIVIAL AND SOME FORM OF THE ABOVE.				

Q 4

THAT DECISION WILL IMPACT IN TWO MAJOR WAYS: (1) THE FOLLOWING FUNCTIONAL DEPENDE-NCY WILL NO LONGER BE VALID LHS WILL BE POINTING TO MULTIPLE AS RHS: MovieID, Member ID -> CHARACTER (2) SINCE A LOT OF ATTRIBUTES WILL NOW BE REPEATING VALUES DUE TO APDITIONAL CHARACTER(S) PLAYED BY THE THE SAME ACTOR, IN THE SAME MOVIE, WILL TAKE LONGER & WOULD TT POTENTIALLY BE HAPDE TO ESTABLISH THE FUNCTIONAL DEPENDENCIES FROM QUESTION 3.

(CANDIDATE KEYS)

TABLE	
MovieID	
TYPE	
STARTYEAR	CANDIDATE
RUNTIME	
AVGRATING	KEYS / KEY
GENREID	PART
GENRE	
MEMBERID	
BIRTH YEAR	
CHAPACTER	
C true to the	

CAN BE 4 CANDIDATE KEYS THERE WITH THE FOLLOWING COMPOSITION: GENREID MOVIE ID · MEMBERID GENREID, CHARACIER MOVIE ID MOVIE ID GENRE WEMBERTD GENRE, MOVIE ID CHARACIER 1 #: $2 \times 2 = 4$ Х (CANONICAL COVER) · Movie ID -> Type, Start Year, Runtime, Ang Pat . Gense ID Biothread · Member ID \rightarrow · Member ID, Movie ID → Character

(BCNF) -Genre ID -Genre ID Movie ID Start Year → Movie ID Genre Runtime Aug Rating MEMBERS MOVIE-MENBER MemberID Member ID Birth Year @Novie ID CHARACTERS Movie ID - Member ID - characted

MOVIES

GENRES

MOVIE-GENRE