1.

STUDENT	StuID	Lname	Fname	Age	Sex	Major	Advisor	City_Code	
	a b	Px Py	Pc Pd				 	z z z	

LOVES	WhoLoves	WhoIsLoved	
	a b	 _e _f	

			•
LIKES	WhoLikes	WhoIsLiked	
			ı
	_a	_b	ı
	_b	_a	ı

Conditions	
_a<_b AND ¬(_e = _b AND _a =	_f)

4.

STUDENT	StuID	Lname	Fname	 Age 	 Sex	Major	 Advisor	City_Code	-
	 _s	Px	Py						ĺ

LIVES_IN	StuID	DormID	Room_number	
	_s			

CAR_OWNERSHIP	StuID	CarID	
	s	 c	
	_ _s		

STUDENT	StuID	Lname	Fname	Age	Sex	Major	Advisor	City_Code	
	_s	Px	Py						

LIVES_IN	StuID	DormID	Room_number
	_s		
			j

			-
CAR_OWNERSHIP	StuID	CarID	

HAS_PET	StuID	PetID
	_s	

13.

									-
STUDENT	StuID	Lname	Fname	Age	Sex	Major	Advisor	City_Code	
									ı
	_a	Px	Py		ĺ				ĺ
	_b								
	_d								
	_e							_h	

ENROLLED_IN	StuID	CID	Grade
	_a	_c	
	_b	_c	
	_b	_k	
	l d	l k	

LIVES_IN	StuID	DormID	Room_number
	_d _e	f f f	_a _a _a

							-
CITY	City_code	City_name	State	Country	Latitude	Longitude	
	_h		PA				

VotedForElection	StuID 	Candidate_ID	Year
	 _e 	_j	2020
US_Candidate	Candidate_ID	Candidate_Name	Party
	 _j	Donald Trump	
]]		

Conditions	
	ļ
	ļ
_a!=_b AND _b!=_d AND _d!= _e	

STUDENT	StuID	Lname	Fname	 Age 	Sex	Major	Advisor	City_Code	
	_a	Pb	Pc	Pd	F				

MINOR_IN	StuID	DNO
	a	е

DEPARMENT	DNO	Division	DName	Room	Building	DPhone	-
	_e	EN					1
	_h	EN					1
					I	l I	

ENROLLED_IN	StuID	CID	Grade
	a	f	

COURSE	CID	CName	Credits 	Instructor	Days	Hours	DNO	
	_f			_g				
İ	ĺ		į į				ĺ	

FACULTY	FacID	Lname	Fname	Rank	Sex	Phone	Room	Building	
	_g			Professor	F				

MEMBER_OF	FacID	DNO	Appt_Type	
	_g	_h _h	 Primary	

									_
STUDENT	StuID	Lname	Fname	Age	Sex	Major	Advisor	City_Code	
	Pa	Pb	Pc]
	_c							_e	
	d	Smith	Linda					f	

ENROLLED_IN	StuID	CID	Grade
	a c	j j j	
	_c d	_k _k	

CITY	City code	City name	State	Country	Latitude	Longitude	Ī
							ĺ
j	_e	j j	_g				ĺ
	_f		_g				

VotedForElection	StuID	Candidate_ID	Year	
	_d _c _d _c	_h _h _i _i	2016 2016 2020 2020	

US_Candidate_For	Candidate_ID	Office	Location	Year	-
	 _h _i	President President		2016 2020	

| Conditions | |-----| | a!=_c AND _c!=_d

26.

STUDENT	StuID	Lname	 Fname 	 Age 	 Sex 	Major	Advisor	 City_Code 	-
	_a	_b	_c						

CONDUCT_VIOLATION	StuID	DormID	Reason	 Date	-
					ĺ
	_a			_f	ļ
					1

LIVES_IN	StuID	DormID	Room_number
į	_a	_d	ĺ
			ĺ
ĺ			ĺ

DORM	DormID	Dorm_name	Student_capacity	Gender
	d	_e		

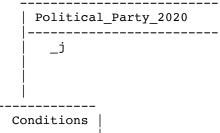
						_
RESULT	Fname	Lname	Dorm_name	Num_violation	StuID	
	Pc 	Pb	 Pe 	P.CNT.ALLf	Ga	
						İ İ

STUDENT	 StuID 	 Lname 	Fname	 Age 	Sex	Major	 Advisor 	 City_Code 	-
	 _a _b	_c _d	_e _f						

LIVES_IN	StuID	DormID	Room_number
	_a _b	_a _a 	_r _r _r

VotedForElection	StuID	Candidate_ID	Year	
	a b	 _h _i	2020 2020	

0/28/2020						qbe.t	xt				
US_Candida [.]	te 	Candid	late_ID	Candidate 	e_Name	 -	Party 				
		_h _i		_j _k							
US_Candida	te_For	Candid	late_ID	Office	 	Locat	ion	 Y	ear	 	•
		 _h _i		Presider Presider					2020 2020	 	
 RESULT	 FName		LName_1	Candida	ate_Nam	ne_1	FName_2	 	LName_	2 Candida	te_Name_2
P.	 _e 		_c	j _j			f	 	d	 _k 	
	 	·-		İ		ĺ					
İ	onditions	-									
_a<_b ANI 	D _h!=_1										
34.											
STUDENT	StuID	Lna	.me	Fname	Age	Sex	 Major 	Adv	risor	City_Code	-
	_a	_b	-	_c	_d 						
 VotedForEl	 ection	StuID)	 Candida	 ate_ID	 	 Year	 			
		 _a		 _e f			 016	 !			
		_a 		_f 		2	020				
US_Candida	 te	Candid	late_ID	 Candidate	e_Name	 	 Party				
		_e _f		_g _i 			h j				
US_Candida	te_For	Candid	late_ID	Office	 	Locat	ion	 Y	ear	 	•
		_e _e _f		Presider Presider					2016 2020	 	
RESULT Candidate	FName _Name_202 		LName	Age Ca		ce_Nam	 e_2016 F -	olit	cical_Pa	erty_2016	



	Conditions
e !=	f

35.

									-
STUDENT	StuID	Lname	Fname	Age	Sex	Major	Advisor	City_Code	
	_a	_b	_c		ĺ			_d	

VotedForElection	StuID	Candidate_ID	Year
	 _a _a	_i _k	j 1

US_Candidate	Candidate_ID	Candidate_Name	Party	
	_i		m	ļ
	_k		_n	

US_Candidate_For	Candidate_ID	Office	Location	Year	-
	 _i _k 	President President		 j 1	

CITY	City_code	City_name	State	Country	Latitude	Longitude	-
	_d		_e				ĺ

RESULT	Fname	Lname	State	
P.	_c	_b	_e	

	Conditions
 _j !=	_1, _m!=_n

STUDENT	StuID	Lname	Fname	 Age 	Sex	Major	Advisor	City_Code	-
	_a	_b	_c						
							 		ĺ

				_
LIVES_IN	StuID	DormID	Room_number	
				l

10/28/2020

20,2020	_a _e	_d _d	
HAS_PET	StuID	PetID	
	 _e 	 _f 	·

PET	PetID	PetName	PetType	PetAge	PetSex	
	f		_g			

HAS_ALLERGY	StuID	AllergyName
	a	_g

					_
DORM	DormID	Dorm_name	Student_capacity	Gender	
					ı
	_d	_h			ĺ
					ĺ

					-
RESULT	Fname	Lname	Dorm_name		i
P.	_c	_b	 _h		

STUDENT	 StuID	Lname	Fname	 Age	Sex	Major	Advisor	City_Code	-
	 _a _d	 _j _e	k f	 					

			_
LOVES	WhoLoves	WhoIsLoved	
	_a	_d	
	_d	_a	

LIVES_IN	StuID	DormID	Room_number
 	_a _i	_a _a 	_h _h

HAS_PET	StuID	PetID	
	 i	 m	

PET	PetID	PetName	PetType	PetAge	PetSex	
	m m	f f				
	_	l	1			'

	Conditions
_a !=	_1

						_
RESULT	FName1	LName2	PetName	FName	LName	
	_f	_e	_f	_k	_j	-
						1

49. /* List the max amount of time on average a department's student spend on Role Playing video Games*/

VIDEO GAMES	GameID	GName	GType	
				ĺ
	a		Role Playing Games	ĺ
	_			İ
	· 	· 	· 	

				_
PLAYS_GAMES	StuID	GameID	Hours_Played	
	_b	_a	_c	
				ı

STUDENT	StuID	Lname	Fname	Age	Sex	Major	Advisor	City_Code	
	_b					d			

DEPARMENT	DNO	Division	DName	Room	Building	DPhone	-
	d						ĺ

RESULT	DNO	Hrs_Played
	Gd	P.MAX(AVG.ALLc)