

ชื่อ.....รหัส.....

2. จากรีเลชั่นด้านล่าง ให้แสดงผลลัพธ์ของคำถามต่อไปนี้ (8 คะแนน)

STAFF

S_No	Name	Position	Sex	DoB	Salary	B_No
SL21	Chuchai Suksri	Manager	M	01/10/1955	30000	B5
SG37	Siritat Manejun	Snr Asst	F	10/10/1960	12000	B3
SG14	Somsak SaeTang	Deputy	M	24/03/1958	18000	B3
SA09	Piyachat Eamsuk	Assistant	F	19/02/1970	9000	B7
SG05	Pornrat Thanasilp	Manager	F	03/01/1940	24000	B3
SL41	Ladda Wongdee	Assistant	F	13/01/1965	9000	B5

BRANCH

B_No	City	P_Code
B5	Chaingmai	50300
B7	Phitsanulok	65150
B3	Bangkok	10110
B4	Chaingrai	57000

PROPERTY_FOR_RENT

P_No	Type	Rooms	Rent	S_No	B_No
PA14	House	6	650	SA09	B7
PG16	Flat	4	450	SG14	B3
PL94	Flat	4	400	SL41	B5
PG04	Flat	3	350	SG14	B3
PG36	Flat	3	375	SG37	B3
PG21	House	5	600	SG37	B3

2.1 $\sigma_{Salary > 20000 \wedge Sex = M}$ (STAFF)

2.2 $\pi_{S_No}(STAFF) - \pi_{S_No}(PROPERTY_FOR_RENT)$

$$2.3 \pi_{S_No, Name, Salary}(\sigma_{Position = Assistant}(STAFF))$$

$$2.4 \pi_{S_No}(STAFF) \cap \pi_{S_No}(PROPERTY_FOR_RENT)$$

$$2.5 \sigma_{Salary > 20000 \wedge Sex = M}(STAFF) \cup \sigma_{Salary < 10000 \wedge Sex = F}(STAFF)$$

2.6

S_No	Name	Position	Sex	DoB	Salary	B_No
SG37	Siritat Manejun	Snr Asst	F	10/10/1960	12000	B3
SG14	Somsak SaeTang	Deputy	M	24/03/1958	18000	B3

2.7

S_No	Name	City
SL21	Chuchai Suksri	Chaingmai
SG37	Siritat Manejun	Bangkok
SG14	Somsak SaeTang	Bangkok
SA09	Piyachat Eamsuk	Phitsanulok
SG05	Pornrat Thanasilp	Bangkok
SL41	Ladda Wongdee	Chaingmai

2.8

P_No	Type	Rooms	Rent	Name	City
PA14	House	6	650	Piyachat Eamsuk	Phitsanulok
PG21	House	5	600	Siritat Manejun	Bangkok