

1. Using Reflexivity

3.  $A \rightarrow B, D$

$D \rightarrow E$

$A, C \rightarrow F$

a)  $SK = (AC)^+ ; ck = \{A\}$

b)  $T_1 = \{A, B, D, E\} ; T_2 = \{A, C, F\}$

5. a)

<u>Student Number</u>	Student Name	Total Credits	GPA	Advisor Number	Advisor Name
...	...	...	...	...	...

<u>Course Number</u>	Course Desc	Number Credits	Grade
...	...	...	...

<u>Student Number</u>	<u>Course Number</u>	Course Desc	Number Credits	Grade
...	...	...	...	...

b)  $A \rightarrow B, C, D, E$

$E \rightarrow F$

$G \rightarrow H, I$

$A, G \rightarrow J$

$SK = (AG)^+ ; CK = \{A\}$

c)  $T_1 = \{A, B, C, D, E\} ; T_2 = \{E, F\} ; T_3 = \{G, H, I\} ; T_4 = \{A, G, J\}$  **ATAU (YANG LEBIH BAGUS)**

$T_1 = \{A, B, C, D, E, F\}$  **(KARENA DI DALAM A SUDAH ADA E YANG MERUJUK KE F)** ;  $T_2 = \{G, H, I\} ; T_3 = \{A, G, J\}$

7. a)

<u>Customer_No</u>	Customer Name
...	...

<u>Property_No</u>	Property Address	Rent Start	Rent Finish	Rent	Owner_No	Owner Name
...	...	...	...	...	...	...

<u>Customer_No</u>	<u>Property_No</u>	Property Address	Rent Start	Rent Finish	Rent	Owner_No	Owner Name
...	...	...	...	...	...	...	...

b)  $A \rightarrow B$

$C \rightarrow D, G, H$

$A, C \rightarrow E, F$

$H \rightarrow I$

$SK = (AC)^+ ; CK = \{A\}$

c)  $T_1 = \{A, B\} ; T_2 = \{C, D, G, H, I\} ; T_3 = \{A, C, E, F\}$