Normalization Practice

For each Relation, R, and set of Functional Dependencies, F:
1. Find all candidate keys.
2. Find the closure of F.
3. Find the minimal cover of F+.
4. Is R in BCNF? 3NF?
5. Put the relation into BCNF. Are any dependencies not preserved?
6. Put the relation into 3NF.

R = { A, B, C, D, E}
F = {A → BC ; CD → E ; B → D ; E → A}

R = { A, B, C, D, E}
F = {C → AB ; ED → C ; B → DE ; E → DA}

http://lsirwww.epfl.ch/courses/iis/2006ss/ex2/ex2.html
R = {A, B, C, D, E}
F = {A → E, BC → A, DE → B}

http://cnx.org/content/m28179/latest/
R = {A, B, C, D, E}
F = { A → B, BC → E, ED → A }

R = {A , B, C, D, E, F}
F = { AB→C, C → B, ABD → E, F → A}