CSCI3170 Short Assignment/Classwork #3  
(Issued in the lecture on Mar 21)

Name: Pass / Fail

Student ID:

Consider the following relation schema and functional dependency:

R(A,B,C)

F = {A 🡪 C, C🡪 A}

1. Find A+, B+, C+, AB+, and BC+
2. List all the candidate keys of the relation.
3. Is the relation in BCNF? Briefly explain your answer.
4. Is the relation in 3NF? Briefly explain your answer