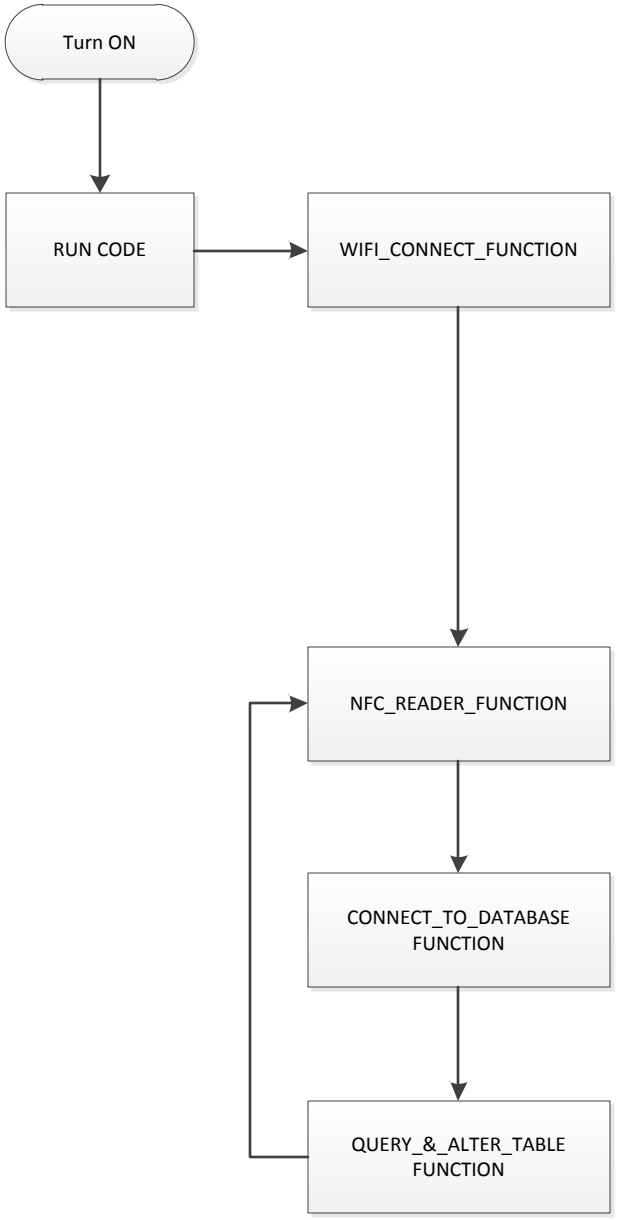
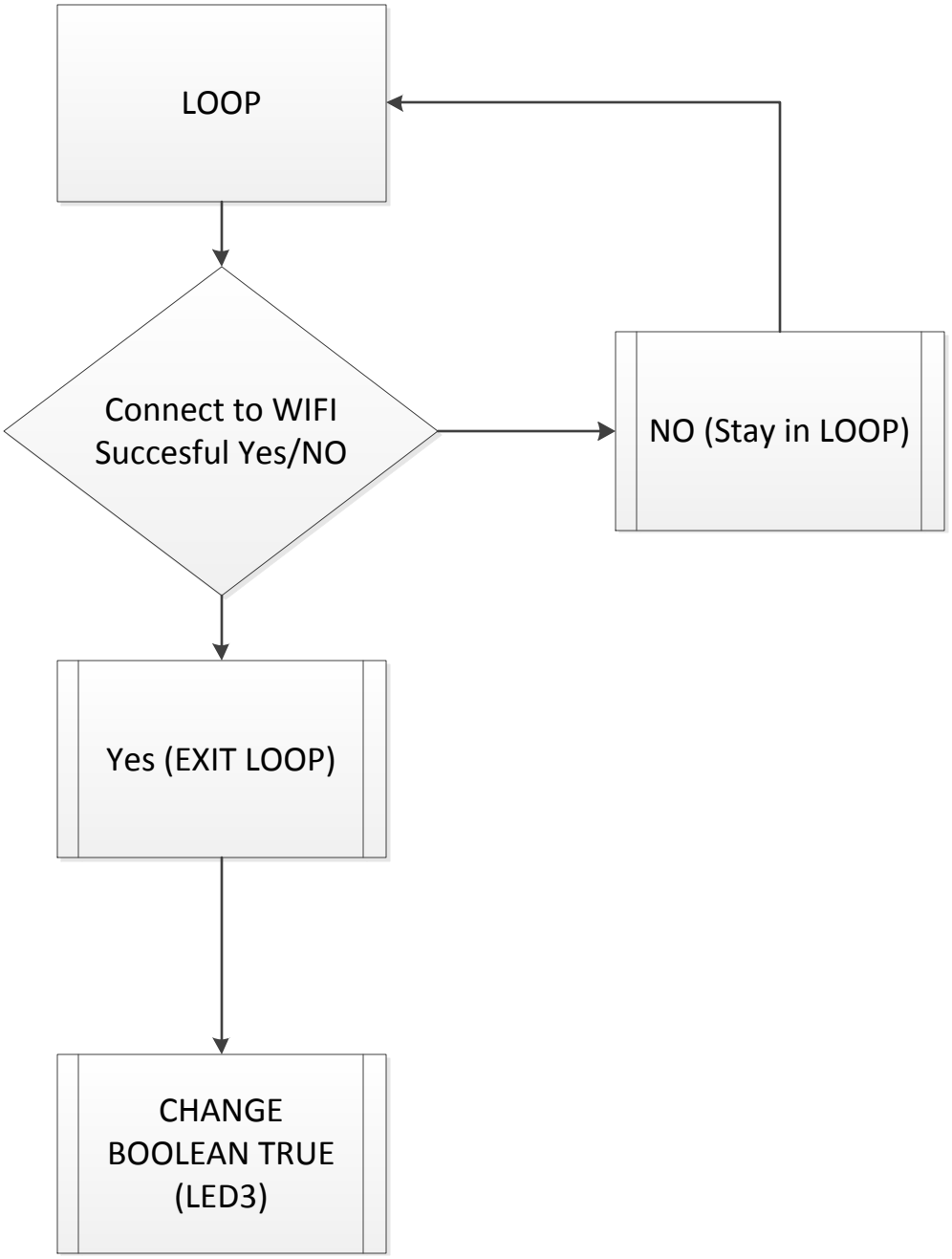
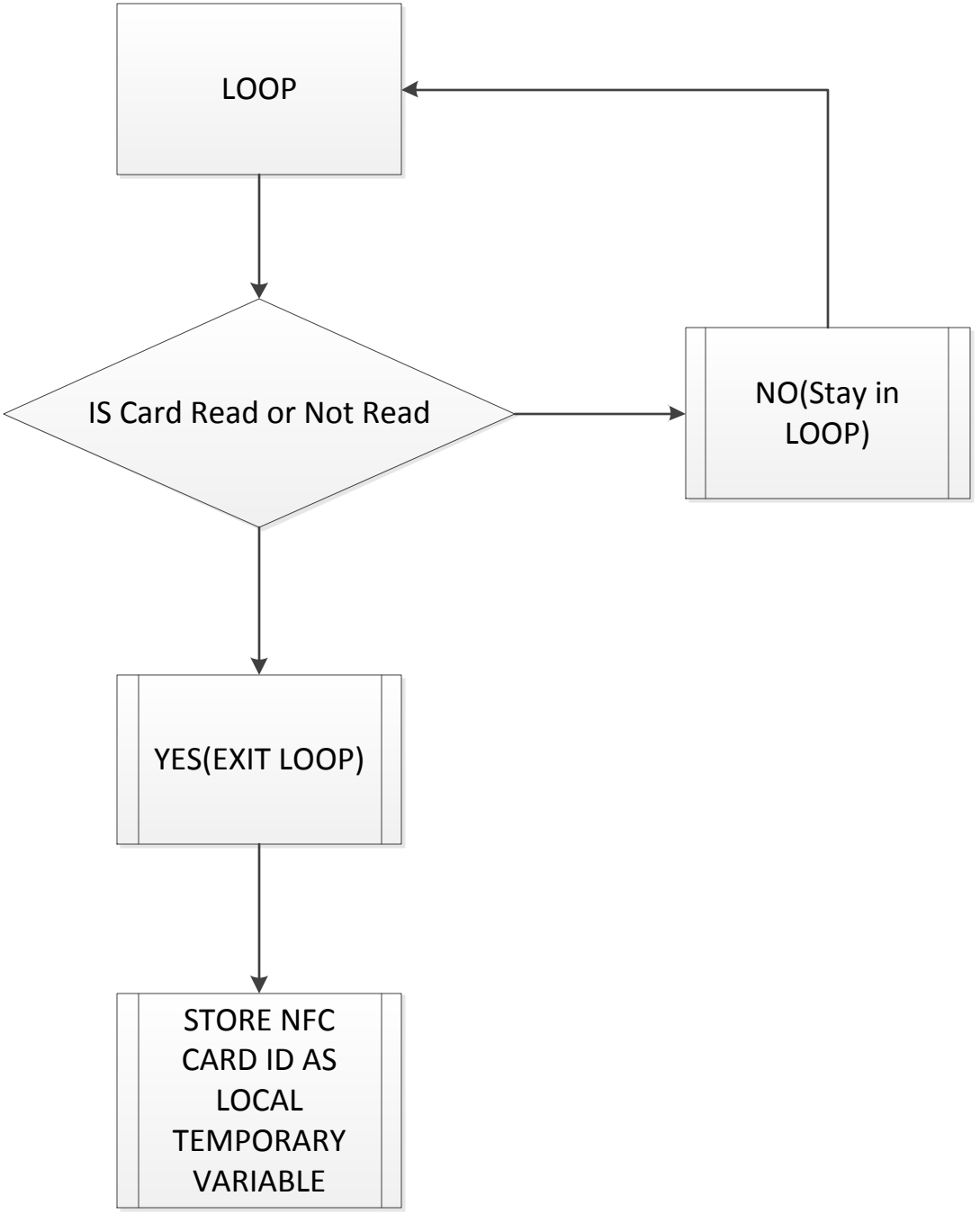

Turn ON
RUN CODE
WIFI_CONNECT_FUNCTION
NFC_READER_FUNCTION
CONNECT_TO_DATABASE FUNCTION
QUERY_&_ALTER_TABLE FUNCTION

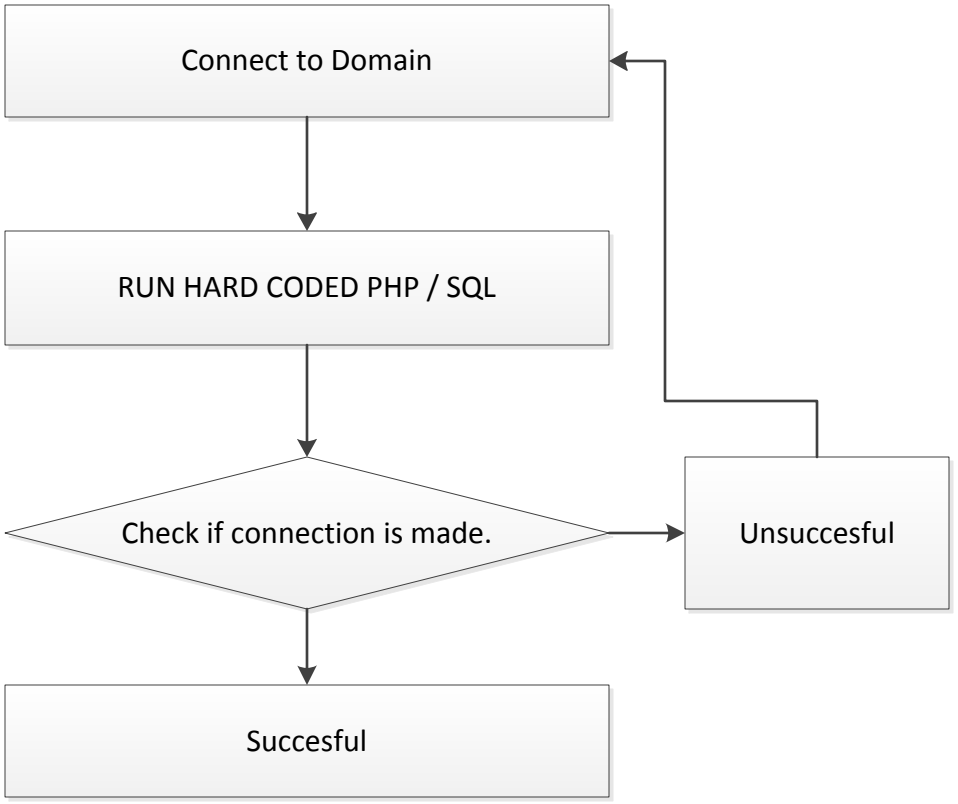
WIFI CONNECT FUNCTION



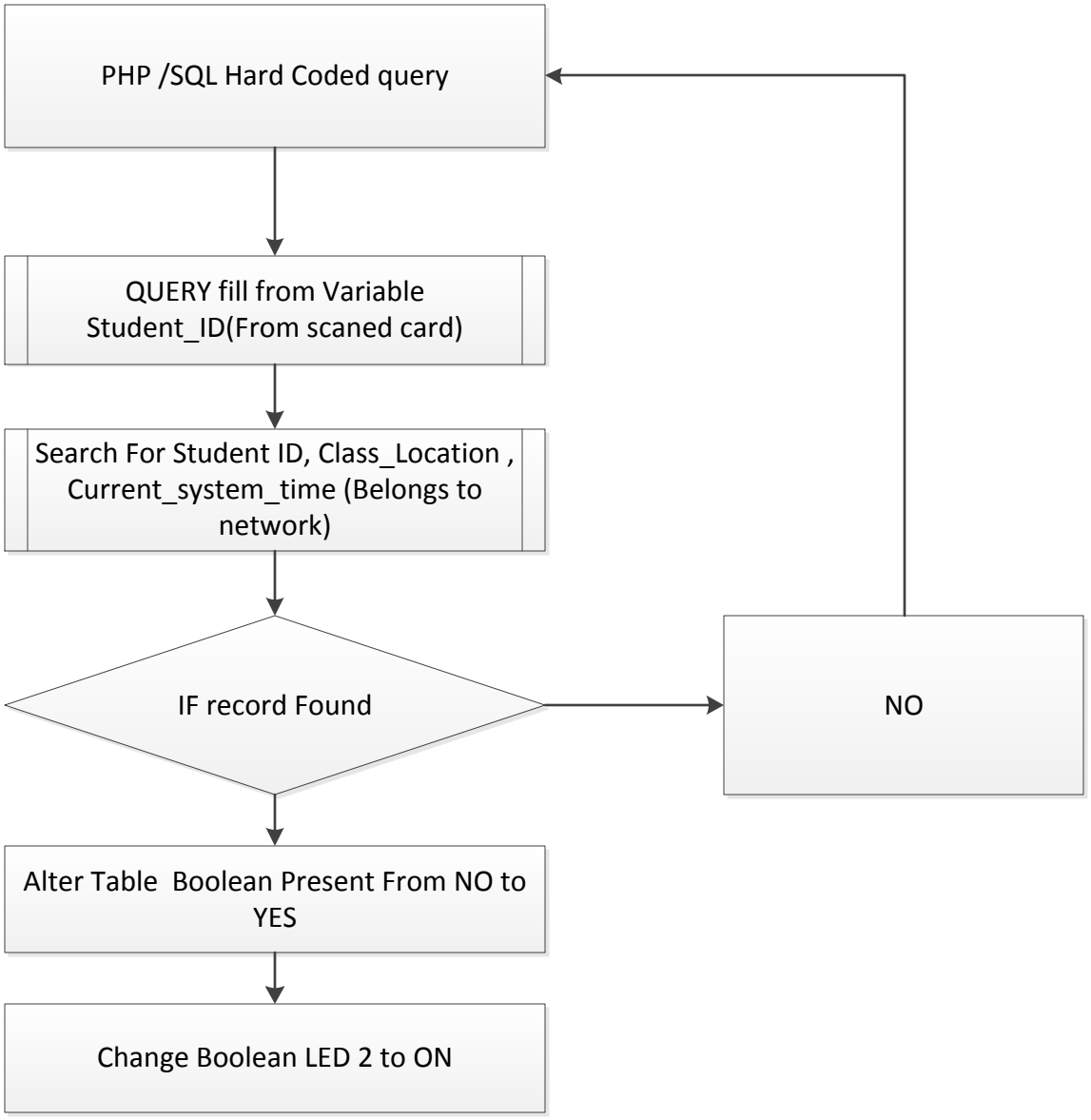
NFC READER FUNCTION

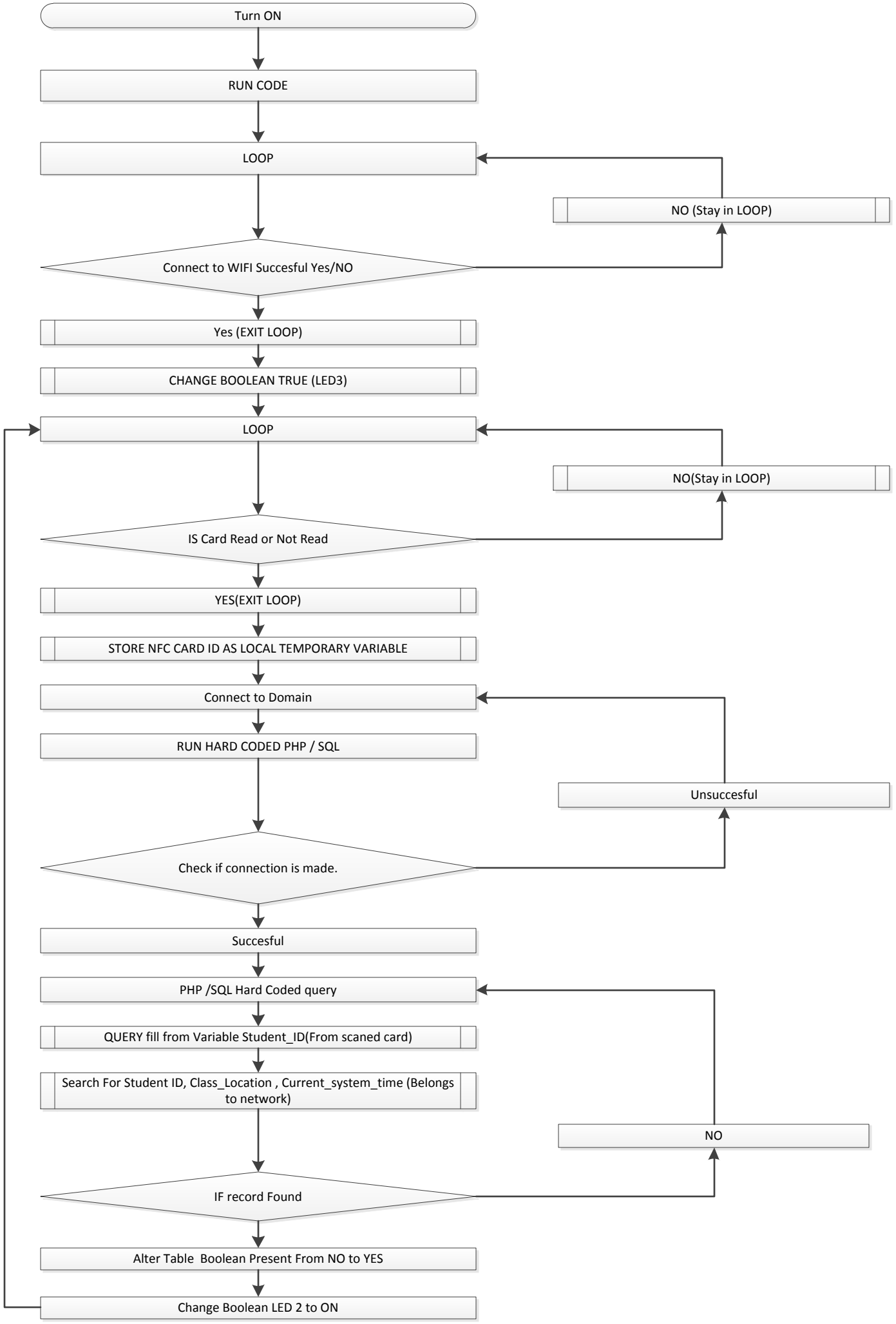


Connect to Database FUNCTION



Query_and Alter Table Function




Turn ON
RUN CODE
LOOP
NO (Stay in LOOP)
Connect to WIFI Succesful Yes/NO
Yes (EXIT LOOP)
CHANGE BOOLEAN TRUE (LED3)
LOOP
NO(Stay in LOOP)
IS Card Read or Not Read
YES(EXIT LOOP)
STORE NFC CARD ID AS LOCAL TEMPORARY VARIABLE
Connect to Domain
RUN HARD CODED PHP / SQL
Unsuccesful
Check if connection is made.
Succesful
PHP /SQL Hard Coded query
QUERY fill from Variable Student_ID(From scaned card)
Search For Student ID, Class_Location , Current_system_time (Belongs to network)
NO
IF record Found
Alter Table Boolean Present From NO to YES
Change Boolean LED 2 to ON