

Listing Program

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#include <Wire.h>

#include "SPI.h"

#include "MFRC522.h"

#include <LiquidCrystal_I2C.h>

LiquidCrystal_I2C lcd(0x27,20,4);

#define SS_PIN 10

#define RST_PIN 9


MFRC522 rfid(SS_PIN, RST_PIN);

MFRC522::MIFARE_Key key;


void setup() {

    // put your setup code here, to run once:

    Serial.begin(9600);

    lcd.begin();

    lcd.backlight();

    SPI.begin();

    rfid.PCD_Init();


    Serial.println("I am waiting for card...");

    Serial.println("CLEAR SHEET");

    Serial.println("LABEL,Date,Nama,Identitas,WaktuMasuk");

}


void loop() {

    lcd.setCursor(0,0); //we start writing from the first row first column
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lcd.print(" PerpusTekkom "); //16 characters poer line

lcd.setCursor(0,1);

lcd.print(" SelamatDatang ");

    // put your main code here, to run repeatedly:
if (!rfid.PICC_IsNewCardPresent() || !rfid.PICC_ReadCardSerial())
return;

    // Serial.print(F("PICC type: "));

    MFRC522::PICC_TypepiccType = rfid.PICC_GetType(rfid.uid.sak);

    // Serial.println(rfid.PICC_GetTypeName(piccType));

    // Check is the PICC of Classic MIFARE type
if (piccType != MFRC522::PICC_TYPE_MIFARE_MINI &&
piccType != MFRC522::PICC_TYPE_MIFARE_1K &&
piccType != MFRC522::PICC_TYPE_MIFARE_4K) {
    Serial.println(F("Your tag is not of type MIFARE Classic."));
return;
}

    String strID = "";
for (byte i = 0; i< 4; i++) {
strID +=
    (rfid.uid.uidByte[i] <0x10 ? "0" : "") +
    String(rfid.uid.uidByte[i], HEX) +
    (i != 3 ? ":" : "");
}

strID.toUpperCase();

Serial.print("Tap card key: ");

Serial.println(strID);

delay(1000);

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if (strID.indexOf("16:A7:13:E3") >= 0 ) { //put your own tap card key;
Serial.print("DATA,DATE,");
Serial.print("MabyanSyafiq");
Serial.print(",");
Serial.print("61630700515");
Serial.print(",");
Serial.print("TIME");
Serial.print(",");
Serial.println("");
delay(500);
lcd.clear();
lcd.setCursor (0,0);
lcd.print(F("-SelamatDatang-"));
lcd.setCursor (0,1);
lcd.print(F(" MabyanSyafiq "));
for(inti=2; i>0; i--){
lcd.setCursor (15,1); lcd.print(i);
delay (1000);
}
lcd.clear();
return;
}

if (strID.indexOf("E1:42:93:1C") >= 0 ) { //put your own tap card key;
Serial.print("DATA,DATE,");
Serial.print("Brandon Jovi Aswi Jr");
Serial.print(",");

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Serial.print("61630700508");

Serial.print(",");

Serial.print("TIME");

Serial.print(",");

Serial.println("");

delay(500);

lcd.clear();

lcd.setCursor (0,0);

lcd.print(F("-SelamatDatang-"));

lcd.setCursor (0,1);

lcd.print(F("  Brandon Jovi  "));

for(inti=2; i>0; i--){

lcd.setCursor (15,1); lcd.print(i);

delay (1000);

}

lcd.clear();

return;

}

if (strID.indexOf("51:E6:53:1A") >= 0 ) { //put your own tap card key;

Serial.print("DATA,DATE,");

Serial.print("HeruMadarus");

Serial.print(",");

Serial.print("61630700514");

Serial.print(",");

Serial.print("TIME");

Serial.print(",");

Serial.println("");
```

```

delay(500);
lcd.clear();
lcd.setCursor (0,0);
lcd.print(F("-SelamatDatang-"));
lcd.setCursor (0,1);
lcd.print(F(" HeruMadarus "));
for(int i=2; i>0; i--){
  lcd.setCursor (15,1); lcd.print(i);
  delay (1000);
}
lcd.clear();
return;
}

if (strID.indexOf("E1:3D:9D:1C") >= 0 ) { //put your own tap card key;
  Serial.print("DATA,DATE,");
  Serial.print("Rahmania");
  Serial.print(",");
  Serial.print("61630701522");
  Serial.print(",");
  Serial.print("TIME");
  Serial.print(",");
  Serial.println("");
  delay(500);
  lcd.clear();
  lcd.setCursor (0,0);
  lcd.print(F("-SelamatDatang-"));
  lcd.setCursor (0,1);

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```

lcd.print(F(" Rahmania "));
for(inti=2; i>0; i--){
lcd.setCursor (15,1); lcd.print(i);
delay (1000);
    }
lcd.clear();
return;
    }

if (strID.indexOf("31:0D:1D:1C") >= 0 ) { //put your own tap card key;
Serial.print("DATA,DATE,");
Serial.print("DewiSinta");
Serial.print(",");
Serial.print("61630700511");
Serial.print(",");
Serial.print("TIME");
Serial.print(",");
Serial.println("");
delay(500);
lcd.clear();
lcd.setCursor (0,0);
lcd.print(F("-SelamatDatang-"));
lcd.setCursor (0,1);
lcd.print(F(" DewiSinta "));
for(inti=2; i>0; i--){
lcd.setCursor (15,1); lcd.print(i);
delay (1000);
    }

```

```

lcd.clear();

return;

}

if (strID.indexOf("E1:06:2F:1C") >= 0 ) { //put your own tap card key;

Serial.print("DATA,DATE,");

Serial.print("SatriaUtama");

Serial.print(",");

Serial.print("61630700523");

Serial.print(",");

Serial.print("TIME");

Serial.print(",");

Serial.println("");

delay(500);

lcd.clear();

lcd.setCursor (0,0);

lcd.print(F("-SelamatDatang-"));

lcd.setCursor (0,1);

lcd.print(F(" SatriaUtama "));

for(inti=2; i>0; i--){

lcd.setCursor (15,1); lcd.print(i);

delay (1000);

}

lcd.clear();

return;

}

if (strID.indexOf("E1:94:13:1C") >= 0 ) { //put your own tap card key;

Serial.print("DATA,DATE,");

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```

Serial.print("FongkiAriwibowo");
Serial.print(",");
Serial.print("61630700504");
Serial.print(",");
Serial.print("TIME");
Serial.print(",");
Serial.println("");
delay(500);
lcd.clear();
lcd.setCursor (0,0);
lcd.print(F("-SelamatDatang-"));
lcd.setCursor (0,1);
lcd.print(F(" Fongki Ari "));
for(inti=2; i>0; i--){
  lcd.setCursor (15,1); lcd.print(i);
  delay (1000);
}
lcd.clear();
return;
}

if (strID.indexOf("31:90:BA:1A") >= 0 ) { //put your own tap card key;
Serial.print("DATA,DATE,");
Serial.print("NienDhyta");
Serial.print(",");
Serial.print("61630700519");
Serial.print(",");
Serial.print("TIME");

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```

Serial.print(",");
Serial.println("");
delay(500);
lcd.clear();
lcd.setCursor (0,0);
lcd.print(F("-SelamatDatang-"));
lcd.setCursor (0,1);
lcd.print(F(" NienDhyta "));
for(inti=2; i>0; i--){
lcd.setCursor (15,1); lcd.print(i);
delay (1000);
    }
lcd.clear();
return;
    }
else{
lcd.setCursor (0,0);
lcd.print(F(" Maaf ID Salah "));
lcd.setCursor (0,1);
lcd.print(F("ID TidakDikenal "));
for(inti=2; i>0; i--){
lcd.setCursor (16,1); lcd.print(i);
delay (1000);
    }
lcd.clear();
    }
}

```


