**ATM Security**

**Coding 2:**

#include <LiquidCrystal\_I2C.h>

LiquidCrystal\_I2C lcd(0x27, 16, 2);

#include <SoftwareSerial.h>

#include <EEPROM.h>

const int mo= A0;

void writeString(char add,String data);

String read\_String(char add);

void setup()

{

Serial.begin(9600);

pinMode(A0, OUTPUT);

lcd.init();

lcd.backlight();

lcd.clear();

lcd.setCursor(0,0);

lcd.print(" ATM SECURITY ");

lcd.setCursor(0, 1);

lcd.print(" SYSTEM ");

delay(1000);

}

void loop()

{

lcd.clear();

lcd.setCursor(0,0);

lcd.print(" ATM SECURITY ");

lcd.setCursor(0, 1);

lcd.print(" SYSTEM ");

delay(1000);

while(Serial.available())

{

String key = Serial.readString();

Serial.println(key);

writeString(11, key);

delay(10);

String recivedData;

recivedData = read\_String(11);

if(recivedData[0]=='9')

{

lcd.clear();

lcd.setCursor(0,0);

lcd.print("AMOUNT : ");

lcd.print(recivedData[1]);

lcd.print(recivedData[2]);

lcd.print(recivedData[3]);

lcd.print(recivedData[4]);

lcd.print(" ");

digitalWrite(A0, HIGH);

lcd.setCursor(0, 1);

lcd.print("collect money");

delay(5000);

digitalWrite(A0, LOW);

lcd.setCursor(0, 1);

lcd.print("THANK YOU........");

delay(2000);

}

}

}

void writeString(char add,String data)

{

int \_size = data.length();

int i;

for(i=0;i<\_size+1;i++)

{

EEPROM.write(add+i,data[i]);

}

EEPROM.write(add+\_size,'\0'); //Add termination null character for String Data

}

String read\_String(char add)

{

int i;

char data[100]; //Max 100 Bytes

int len=0;

unsigned char k;

k=EEPROM.read(add);

while(k != '\0' && len<=10) //Read until null character

{

k=EEPROM.read(add+len);

data[len]=k;

len++;

}

data[len]='\0';

return String(data);

}